Index

JOURNAL OF PERIODONTOLOGY

Author Index to Volume 72, 2001, numbers 1 through 12

A

Abiko Y. see Nozaki T.
Acevedo A. see Gamonal J.
Adams DF. see Williams RC.
Adesnya MR. see Albandar JM.
Adkins CA. see Wiebe C.
Adriaens P. see Cortellini P.
Adriaenssens P. see Choquet V.
Adut M. see Binderman I.
Ahing SI. see Mirbod SM.
Aichelmann-Reidy ME, et al. Clinical evaluation of acellular allograft dermis for the treatment of human gingival recession. 998
Aichelmann-Reidy ME. see Calongne KB.
Aichelmann-Reidy MB. see Yukna RA.
Akiyama S. see Amano A.
Aksu G. see Buduneli N.
Albandar JM, et al. Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. 1463
Aldredge WA. see Al-Shammari KF.
Almeida ALG. see Novaes AB, Jr.
Almeida OP. see de Andrade CR.
Alpha CX, et al. Molecular analysis of *Peptostreptococcus micros* isolates from patients with periodontitis. 877
Al-Shammari KF, et al. Effect of non-surgical periodontal therapy on C-telopeptide pyridinoline cross-links (ICTP) and interleukin-1 levels. 1045
Amano A, et al. Relationship of periodontopathic bacteria with early-onset periodontitis in Down syndrome. 368
American Academy of Periodontology
Annual Meeting Abstracts. 1133, 1295, 1629, 1780
Annual Report. 1801
Guidelines for periodontal therapy (position paper). 1624
In-office use of conscious sedation in periodontics (guidelines). 968
President's Address. McGuire MK. 1816
Tissue banking of bone allografts used in periodontal regeneration (position paper). 834
Treatment of plaque-induced gingivitis, chronic periodontitis, and other clinical conditions (position paper). 1790
2001 Balint Orban Memorial Program Abstracts. 1133
2001 Oral Research Forum Abstracts. 1295
2001 Research Forum Poster Abstracts. 1629, 1780
Anderegg CR, et al. Tooth mobility revisited (commentary). 963
Anerud A. see Neely AL.
Arai H. see Takahashi K.
Arai Y. see Ito K.
Aranda JJ. see Orsini M.
Ardekian L. see Oettinger-Barak O.
Armitage GC. see Williams RC.
Artzi Z, et al. Histopathological morphometric evaluation of 2 different hydroxyapatite bone derivatives in sinus augmentation procedures: A comparative study in humans. 911
Artzi Z, et al. Porous bovine bone mineral in healing of human extraction sockets: 2. Histochemical observations at 9 months. 152
Arweiler N. see Sculean A.
Asahara Y. see Kataoka M.
Ash MM. Reflections on Sigurd P. Ramfjord: His contributions to evidence-based periodontics (guest editorial). 1124
Assenza B. see Piattelli A.
Atilla G, et al. Matrix metalloproteinases (MMP-8 and-9) and neutrophil elastase in gingival crevicular fluid of cyclosporin-treated patients. 354
Atilla G. see Buduneli N.
Atilla G. see Emingil G.
Attal U. see Hirsch A.
Austin GW, et al. Effect of nicotine on fibroblast β_1 integrin expression and distribution in vitro. 438
Avontroodt P. see van Steenberghe D.
Ayangco L, et al. Erythema multiforme secondary to herpes simplex infection: A case report. 953
Ayhan A. see Hakki SS.
Azuma H. see Kataoka M.

B

Baelum V. see López R.
Bahar H. see Binderman I.
Baldi C. see Saletta D.
Balducci C. see Marinucci L.
Banakis ML. see Toljanic JA.
Barak S. see Oettinger-Barak O.
Barbour SE. see Ishihara Y.
Barboza EP, et al. Treatment of a human transosseous mandibular defect by guided bone regeneration. 538
Baroni T. see Marinucci L.
Barr CE. see Sfakianakis A.
Bartizek RD. see McClanahan SF.
Bartold PM. see Haase HR.
Bartold PM. see Mercado FB.

Index

JOURNAL OF PERIODONTOLOGY

Author Index to Volume 72, 2001, numbers 1 through 12

A

Abiko Y. see Nozaki T.
Acevedo A. see Gamonal J.
Adams DF. see Williams RC.
Adesnya MR. see Albandar JM.
Adkins CA. see Wiebe C.
Adriaens P. see Cortellini P.
Adriaenssens P. see Choquet V.
Adut M. see Binderman I.
Ahing SI. see Mirbod SM.
Aichelmann-Reidy ME, et al. Clinical evaluation of acellular allograft dermis for the treatment of human gingival recession. 998
Aichelmann-Reidy ME. see Calongne KB.
Aichelmann-Reidy MB. see Yukna RA.
Akiyama S. see Amano A.
Aksu G. see Buduneli N.
Albandar JM, et al. Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. 1463
Aldredge WA. see Al-Shammari KF.
Almeida ALG. see Novaes AB, Jr.
Almeida OP. see de Andrade CR.
Alpha CX, et al. Molecular analysis of *Peptostreptococcus micros* isolates from patients with periodontitis. 877
Al-Shammari KF, et al. Effect of non-surgical periodontal therapy on C-telopeptide pyridinoline cross-links (ICTP) and interleukin-1 levels. 1045
Amano A, et al. Relationship of periodontopathic bacteria with early-onset periodontitis in Down syndrome. 368
American Academy of Periodontology
Annual Meeting Abstracts. 1133, 1295, 1629, 1780
Annual Report. 1801
Guidelines for periodontal therapy (position paper). 1624
In-office use of conscious sedation in periodontics (guidelines). 968
President's Address. McGuire MK. 1816
Tissue banking of bone allografts used in periodontal regeneration (position paper). 834
Treatment of plaque-induced gingivitis, chronic periodontitis, and other clinical conditions (position paper). 1790
2001 Balint Orban Memorial Program Abstracts. 1133
2001 Oral Research Forum Abstracts. 1295
2001 Research Forum Poster Abstracts. 1629, 1780
Anderegg CR, et al. Tooth mobility revisited (commentary). 963
Anerud A. see Neely AL.
Arai H. see Takahashi K.
Arai Y. see Ito K.
Aranda JJ. see Orsini M.
Ardekian L. see Oettinger-Barak O.
Armitage GC. see Williams RC.
Artzi Z, et al. Histopathological morphometric evaluation of 2 different hydroxyapatite bone derivatives in sinus augmentation procedures: A comparative study in humans. 911
Artzi Z, et al. Porous bovine bone mineral in healing of human extraction sockets: 2. Histochemical observations at 9 months. 152
Arweiler N. see Sculean A.
Asahara Y. see Kataoka M.
Ash MM. Reflections on Sigurd P. Ramfjord: His contributions to evidence-based periodontics (guest editorial). 1124
Assenza B. see Piattelli A.
Atilla G, et al. Matrix metalloproteinases (MMP-8 and-9) and neutrophil elastase in gingival crevicular fluid of cyclosporin-treated patients. 354
Atilla G. see Buduneli N.
Atilla G. see Emingil G.
Attal U. see Hirsch A.
Austin GW, et al. Effect of nicotine on fibroblast β_1 integrin expression and distribution in vitro. 438
Avontroodt P. see van Steenberghe D.
Ayangco L, et al. Erythema multiforme secondary to herpes simplex infection: A case report. 953
Ayhan A. see Hakki SS.
Azuma H. see Kataoka M.

B

Baelum V. see López R.
Bahar H. see Binderman I.
Baldi C. see Saletta D.
Balducci C. see Marinucci L.
Banakis ML. see Toljanic JA.
Barak S. see Oettinger-Barak O.
Barbour SE. see Ishihara Y.
Barboza EP, et al. Treatment of a human transosseous mandibular defect by guided bone regeneration. 538
Baroni T. see Marinucci L.
Barr CE. see Sfakianakis A.
Bartizek RD. see McClanahan SF.
Bartold PM. see Haase HR.
Bartold PM. see Mercado FB.

Index

Bartold PM. see Xiao Y.
Baruch Y. see Oettinger-Barak O.
Baschiera F. see Malizia T.
Bascones A. see Gamonal J.
Bassi F, et al. Detection of platelet-activating factor in gingival tissue surrounding failed dental implants. 57
Batista EL Jr, et al. Management of soft tissue ridge deformities with acellular dermal matrix. Clinical approach and outcome after 6 months of treatment. 265
Batista FC. see Batista EL Jr.
Batoni G. see Malizia T.
Battino M, et al. Elevated hydroperoxide levels and antioxidant patterns in Papillon-Lefèvre syndrome. 1760
Baylas H. see Emingil G.
Becchetti E. see Marinucci L.
Becker BE. see Becker W.
Becker W, et al. A longitudinal study comparing scaling, osseous surgery, and modified Widman procedures: Results after 5 years. 1675
Beertsen W. see van der Pauw MT.
Beier M. see Sigusch B.
Belcastro S. see Marinucci L.
Bellaz B. see Yalçin S.
Belling CM. see Harrel SK.
Bellone G. see Schierano G.
Benitez M. see Bustos DA.
Benlloch D. see Orsini M.
Benno Y. see Takeuchi Y.
Benqué E. see Brunel G.
Bergström J. see Persson L.
Berini L. see Miranda J.
Bernard GW. see Hunt DR.
Bernimoulin J-P. see Friedmann A.
Bernimoulin J-P. see Purucker P.
Berry JE. see Hakki SS.
Best AM. see Ishihara Y.
Bhuller AS. see Putnins EE.
Bidez MW. see Misch CE.
Biesbrock AR. see McClanahan SF.
Billman MA. see Austin GW.
Binderman I, et al. Alveolar bone resorption following coronal versus apical approach in a mucoperiosteal flap surgery procedure in the rat mandible. 1348
Bird PS. see Herminajeng E.
Blaes A. see Sculean A.
Blanco E. see Gamonal J.
Blandizzi C. see Malizia T.
Bodineau A. see Séguier S.
Bompadre S. see Battino M.
Boratto R. see Rota MT.
Borke JL. see Joe BH.
Bosch-Tijhof CJ. see van Winkelhoff AJ.
Boyan BD. see Hirsch A.
Boyd D. see Dasanayake AP.
Boysen H. see Neely AL.
Braithwaite J. see Wong HMY.
Braswell LD. see Fritz ME.
Bray K. see Williams RC.
Breault LG. see Fowler EB.
Brecx M. see Sculean A.
Brinovec V. see Matičič M.
Brocard D. see Brunel G.
Brousse N. see Séguier S.
Brunel G, et al. Bioabsorbable materials for guided bone regeneration prior to implant placement and 7-year follow-up: Report of 14 cases. 257
Brunella F. see Rimondini L.
Brunet L. see Miranda J.
Buchmann R. see Khoury F.
Bučková D. see Hollá LI.
Buduneli N, et al. Evaluation of transforming growth factor-β_1 level in crevicular fluid of cyclosporin A-treated patients. 526
Bulfamante G. see Del Fabbro M.
Bullon P. see Battino M.
Bunn C. see Xiao Y.
Bunyaratavej P, et al. Collagen membranes: A review. 215
Bunyaratavej P. see Wang H-L.
Buser D. see Hermann JS.
Bustos DA, et al. Human papillomavirus infection in cyclosporin-induced gingival overgrowth in renal allograft recipients. 741
Butler JH. see Gunsolley JC.

C

Cacchillo DA. see Walters JD.
Caffesse R. see Becker W.
Caffesse R. see Guiha R.
Cairo F, et al. Oral acanthosis nigricans as a marker of internal malignancy. A case report. 1271
Cairo F. see Cattabriga M.
Calongne KB, et al. Clinical comparison of microporous biocompatible composite of PMMA, PHEMA, and calcium hydroxide grafts and expanded polytetrafluoroethylene barrier membranes in human mandibular molar Class II furcations. A case series. 1451
Camargo PM. see Lekovic V.
Campa M. see Malizia T.
Camussi G. see Bassi F.
Carnes DL. See Mumford JH.
Carnes DL. see Oates TW.
Carnevale G. see Pontoriero R.
Cao CF. see Liu RK.
Carr MP, et al. Clinical evaluation and comparison of 2 topical anesthetics for pain caused by needle sticks and scaling and root planing. 479
Casiano CA. see Chen Z.

Index

Cassiman JJ. see Quirynen M.
Catamo G. see Piattelli A.
Caton J. see Williams RC.
Cattabriga M, et al. Retrospective evaluation of the influence of the interleukin-1 genotype on radiographic bone levels in treated periodontal patients over 10 years. 767
Çelenligil-Nazliel H. see Hakki SS.
Chai E. see Hirsch A.
Chai J-K. see Choi B-K.
Chai J-K. see Park J-S.
Chan C-P. see Chang M-C.
Chandrapho N. see Wara-aswapati N.
Chang M-C, et al. Thrombin-stimulated growth, clustering, and collagen lattice contraction of human gingival fibroblasts is associated with its protease activity. 303
Chava VK. see Pereira R.
Chen R-S. see Chang M-C.
Chen Y-J. see Chang M-C.
Chen Z, et al. Protease-active extracellular protein preparations from *Porphyromonas gingivalis* W83 induce N-cadherin proteolysis, loss of cell adhesion, and apoptosis in human epithelial cells. 641
Chiang C-Y. see Chiu H-C.
Chiang C-Y. see Fu E.
Chierico A. see Cordioli G.
Chiu H-C, et al. Does nifedipine aggravate cyclosporin-induced gingival overgrowth? An experiment in rats. 532
Chiu S-C. see Peng K-Y.
Cho K-S. see Choi B-K.
Cho K-S. see Park J-S.
Cho K-S. see Scabbia A.
Choi B-K, et al. Activation of matrix metalloproteinase-2 by a novel oral spirochetal species *Treponema lecithinolyticum*.1594
Choi B-K, et al. Effects of whole cell sonicates of *Treponema lecithinolyticum* on osteoclast differentiation. 1172
Choi S-H. see Park J-S.
Choquet V, et al. Clinical and radiographic evaluation of the papilla level adjacent to single-tooth dental implants. A retrospective study in the maxillary anterior region. 1364
Çinarcik S. see Emingil G.
Cobb CM. see McDavid VG.
Cochran DL. see Hermann JS.
Cochran DL. see Mumford JH.
Cochran DL. see Oates TW.
Cochran DL. see Williams RC.
Cohen ME. see Rupprecht RD.
Çoker I. see Emingil G.
Coletta RD. see de Andrade CR.
Contreras A. see Nowzari H.
Cordioli G, et al. Comparison of 2 techniques of subepithelial connective tissue graft in the treatment of gingival recessions. 1470
Cordioli G. see Majzoub Z.
Cortellini P, et al. Microsurgical approach to periodontal regeneration. Initial evaluation in a case cohort. 559
Cortellini P, et al. The simplified papilla preservation flap in the regenerative treatment of deep intrabony defects: Clinical outcomes and postoperative morbidity. 1702
Cotrin P. see de Andrade CR.
Coucke W. see van Steenberghe D.
Cribiù M. see Del Fabbro M.
Cuenin MF. see Austin GW.
Cuenin MF. see Peacock ME.
Cummings HE. see Alpha CX.

D

Daelemans P. see Choquet V.
Daly CG, et al. Bacteremia due to periodontal probing: A clinical and microbiological investigation. 210
Darcan S. see Emingil G.
D'Archivio D. see Paolantonio M.
Darveau RP. see Jin L.
Das SJ, et al. Upregulation of keratinocyte growth factor in cyclosporin A-induced gingival overgrowth. 745
Dasanayake AP, et al. The association between *Porphyromonas gingivalis*-specific maternal serum IgG and low birth weight. 1491
Daubländer M. see Kreisler M.
Davis GH. see Oringer RJ.
Dayan D. see Artzi Z.
de Andrade CR, et al. Transforming growth factor-β1 autocrine stimulation regulates fibroblast proliferation in hereditary gingival fibromatosis. 1726
de Boccardo G. see Bustos DA.
de Courten A, et al. Metastatic transitional cell carcinoma of the urinary bladder presenting as a mandibular gingival swelling. 688
De La Rosa R, M. see Kowolik MJ.
Del Fabbro M, et al. Fluid dynamics of gingival tissues intransition from physiological condition to inflammation. 65
Del Tacca M. see Malizia T.
De Luca M. see Orsini M.
DeNardin AM. see Albandar JM.
De Nardin E. see Noack B.
de Oliviera PT. see Novaes AB Jr.
Deporter DA, et al. A possible "rescue" procedure for dental implants with a textured surface geometry: A case report. 1420
De Soete M, et al. One-stage full-mouth disinfection. Long-term microbiological results analyzed by checkerboard DNA-DNA hybridization. 374

Index

de Toledo S. see Duarte PM.
d'Hoedt B. see Kreisler M.
Di Bonaventura G. see Piattelli A.
Diehl SR. see Albandar JM.
Dierickx K. see Quirynen M.
Di Giovanni D. see Putnins EE.
Di Placido G. see Paolantonio M.
Djordjevic M. see Lekovic V.
Dolci M. see Paolantonio M.
Donath K. see Romanos G.
Dongari-Bagtzoglou AI. see Morton RS.
Donos N. see Sculean A.
Dörfer CE, et al. Gliding capacity of different dental flosses. 672
Dowsett SA. see Kowolik MJ.
Dre E. see Vardimon AD.
Dridi M. see Kut-Lasserre C.
Drisko C. see Henderson RD.
Drisko C. see Lamb JW, III.
Drisko CH. see Williams RC.
Duarte PM, et al. The effect of an immunosuppressive therapy and its withdrawal on bone healing around titanium implants. A histometric study in rabbits. 1391
Dubravec D. see Cortellini P.
Duffort JF. see Brunel G.
Duffy S. see Eaton KA.
Dyer PA. see Linden GJ.

E

Eaton KA, et al. The influence of partial and full-mouth recordings on estimates of prevalence and extent of lifetime cumulative attachment loss: A study in a population of young male military recruits. 140
Eber RM. see Al-Shammari KF.
Eckert GJ. see Kowolik MJ.
Eggert FM, et al. Effects of smoking and treatment status on periodontal bacteria: Evidence that smoking influences control of periodontal bacteria at the mucosal surface of the gingival crevice. 1210
Eggert FM, et al. Performance of a commercial immunoassay for detection and differentiation of periodontal marker bacteria: Analysis of immunochemical performance with clinical samples. 1201
Ehnevid H, et al. Effects of furcation involvement on periodontal status and healing in adjacent proximal sites. 871
Eickholz P, et al. Combined mechanical and antibiotic periodontal therapy in a case of Papillon-Lefèvre syndrome. 542
Eickholz P, et al. Long-term results of guided tissue regeneration therapy with non-resorbable and bioresorbable barriers. I. Class II furcations. 35
Eickholz P. see Klein F.
Ejeil AL. see Kut-Lasserre C.
El Khodeiry S. see Guiha R.
Emanuelli G. see Schierano G.
Emingil G. et al. Levels of leukotriene B_4 in gingival crevicular fluid and gingival tissue in specific periodontal diseases. 1025
Emingil G. et al. Levels of platelet-activating factor in gingival crevicular fluid and gingival tissue in specific periodontal diseases. 1032
Emingil G, et al. Localized aggressive periodontitis in a patient with type 1 diabetes mellitus: A case report. 1265
Emingil G. see Atilla G.
Endo M, et al. Analysis of single nucleotide polymorphisms in the 5′-flanking region of tumor necrosis factor-alpha gene in Japanese patients with early-onset periodontitis. 1554
Engström GN. see Engström P-E.
Engström P-E, et al. The effect of hyaluronan on bone and soft tissue and immune response in wound healing. 1193
Erbland JF. see Austin GW.
Ertoy D. see Hakki SS.
Evans GH. see Aichelmann-Reidy ME.
Evans GH. see Yukna RA.
Everts V. see van der Pauw MT.

F

Faibish D. see Binderman I.
Fakher M. see Ushihara Y.
Farré M. see Miranda J.
Fassmann A. see Hollá LI.
Feldman S. see Khang W.
Fernández O. see López R.
Ferreiro M-S. see Battino M.
Ficarra G. see Cairo F.
Fini M. see Rimondini L.
Fiorellini JP. see Oringer RJ.
Fiorellini JP. see Williams RC.
Fioroni M. see Iezzi A.
Firatli E. see Uzel MI.
Firatli E. see Yalçin S.
Fisher SC, et al. Myospherulosis complicating cortical block grafting: A case report. 1755
Fletcher HM. see Chen Z.
Flores-de-Jacoby L. see Mengel R.
Flowerdew G. see Eggert FM.
Fonzar A. see Cortellini P.
Fowler EB, et al. Failure of resin isomers in the retention of multi-rooted teeth with Class III furcation involvement: A rebuttal case report. 1084
Francetti L. see Del Fabbro M.
Friedmann A, et al. Observations on a new collagen barrier membrane in 16 consecutively treated patients. Clinical and histological findings. 1616

Index

Frithiof L. see Engström P-E.
Fritz ME, et al. Implants in regenerated bone in a primate model. 703
Froum SJ, et al. A comparative study utilizing open flap debridement with and without enamel matrix derivative in the treatment of periodontal intrabony defects: A 12-month reentry study. 25
Fu E, et al. Cyclosporin-induced gingival overgrowth at the newly formed edentulous ridge in rats: A morphological and histometric evaluation. 889
Fu E. see Chen E-C.
Fu E. see Chiu H-C.
Fu E. see Peng K-Y.
Fugazzotto PA. A comparison of the success of root resected molars and molar position implants in function in a private practice: Results of up to 15-plus years. 1113
Fujita A. see Kimura Y.
Fukuda M. see Yoshinari N.
Fukuda S. see Kawamura M.
Fukuda T. see Iwamoto Y.

G

Gabriele M. see Malizia T.
Gamonal J, et al. Apoptosis in chronic adult periodontitis analyzed by *in situ* DNA breaks, electron microscopy, and immunohistochemistry. 517
Gao Y. see Liu RK.
Gao Z. see Mackenzie IC.
Garay-Sevilla ME. see Rocha M.
Garber DA, et al. Two-stage versus one-stage—Is there really a controversy? (commentary) 417
Garrett S. see Stoller NH.
Gasser E. see Bassi F.
Genco RJ, et al. *Journal* announces new section: Journal watch. 839
Genco RJ. see Noack B.
Genco RJ. see Tezal M.
Gendelman H. see Bustos DA.
Georg T. see Schwarz F.
Geurs NC. see Jeffcoat MK.
Gewerth ME. see Toljanic JA.
Ghelardi E. see Malizia T.
Giannobile WV, et al. Platelet-derived growth factor (PDGF) gene delivery for application in periodontal tissue engineering. 815
Giannobile WV. see Al-Shammari KF.
Giannobile WV. see Genco RJ.
Giannobile WV. see Williams RC.
Gilthorpe MS. see Eaton KA.
Glaros AG. see McDavid VG.
Glockmann E. see Sigusch B.
Godeau G. see Kut-Lasserre C.
Godeau G. see Séguier S.
Gogly B. see Kut-Lasserre C.
Gogly B. see Séguier S.
Goki E. see Ito K.
Goldsmith LJ. see Henderson RD.
Golub LM. see Llavaneras A.
Goodson JM. see Purucker P.
Gordon BJ. see Shibata K.
Goultschin J. see Hirsch A.
Graner ES. see de Andrade CR.
Graziani F. see Malizia T.
Greenwell H. see Henderson RD.
Greenwell H. see Lamb JW, III.
Grenier D. see Labbé S.
Grenón MS. see Bustos DA.
Griffiths GS. see Eaton KA.
Griffiths GS. see Kuru L.
Grisi DC. see Novaes AB Jr.
Grisi MFM. see Novaes AB Jr.
Grossberg DE. Interimplant papilla reconstruction: Assessment of soft tissue changes and results of 12 consecutive cases. 958
Grossberg DE. see Daly CG.
Grossi S. see Noack B.
Grossi S. see Williams RC.
Grossi SG. see Tezal M.
Grusovin MG. see Cordioli G.
Grusovin MG. see Majzoub Z.
Guerrero DM. see Williams RC.
Guglielmoni P, et al. Intra- and inter-examiner reproducibility in keratinized tissue width assessment with 3 methods for mucogingival junction determination. 134
Guiha R, et al. Histological evaluation of healing and revascularization of the subepithelial connective tissue graft. 470
Guillou B. see Kut-Lasserre C.
Günay Y. see Yalçin S.
Gunsolley J. see Khang W.
Gunsolley JC, et al. Is loss of attachment due to root planing and scaling in sites with minimal probing depths a statistical or real occurrence? 349
Gustafsson A. see Persson L.
Guthmiller JM, et al. Periodontal disease in pregnancy complicated by type 1 diabetes mellitus. 1485
Guthmiller JM. see Alpha CX.

H

Haase HR, et al. Enamel matrix derivative induces matrix synthesis by cultured human periodontal fibroblast cells. 341
Hassebroek-Johnson JR. see Guthmiller JM.
Haffajee A. see De Soete M.
Hakki SS, et al. The effect of enamel matrix protein derivative on follicle cells in vitro. 679
Hakki SS, et al. Epidermolysis bullosa acquisita: Clin-

ical manifestations, microscopic findings, and surgical periodontal therapy. A case report. 550
Häkkinen L. see Wiebe C.
Häkkinen L. see Wiebe CB.
Halabala T. see Hollá LI.
Hallmon WW. see Lorenzana ER.
Hamada S. see Amano A.
Hanes PJ. see Joe BH.
Harrel SK, et al. The effect of occlusal discrepancies on periodontitis. II. Relationship of occlusal treatment to the progression of periodontal disease. 495
Harrel SK, et al. Longitudinal comparison of the periodontal status of patients with moderate to severe periodontal disase receiving no treatment, non-surgical treatment, and surgical treatment utilizing individual sites for analysis. 1509
Harrel SK. see Nunn ME.
Harris RJ. Clinical evaluation of 3 techniques to augment keratinized tissue without root coverage. 932
Harris RJ. Root coverage of a palatal recession defect: A case report. 1103
Hasegawa K. see Isaka J.
Hashimoto T. see Kurihara M.
Hassfeld S. see Klein F.
Hatfield RD. see Walters JD.
Hausmann E. see Eickholz P.
Hawley CE. see Khang W.
Haworth SE. see Linden GJ.
Hayakawa M. see Nozaki T.
Heikkilä P. see Llavaneras A.
Hellstein JW. see Fisher SC.
Hellstein JW. see Paul BF.
Hellstein JW. see Peacock ME.
Henderson RD, et al. Predictable multiple site root coverage using an acellular dermal matrix allograft. 571
Henderson RD. see Lamb JW, III.
Hermann JS, et al. Influence of the size of the microgap on crestal bone changes around titanium implants. A histometric evaluation of unloaded non-submerged implants in the canine mandible. 1372
Hermans M. see Choquet V.
Herminajeng E, et al. The effects of interleukin-10 depletion in vivo on the immune response to *Porphyromonas gingivalis* in a murine model. 1527
Herold RW. see Peacock ME.
Heymann R, et al. The characteristic cellular organization and CEACAM1 expression in the junctional epithelium of rats and mice are genetically programmed and not influenced by the bacterial microflora. 454
Highfield JE. see Daly CG.
Hills E. see Dasanayake AP.
Hino T. see Okada M.
Hirano H. see Nozaki T.
Hirose M, et al. Expression of cytokines and inducible nitric oxide synthase in inflamed gingival tissue. 590
Hirsch A, et al. Root coverage and pocket reduction as combined surgical procedures. 1572
Ho AW. see Scannapieco FA.
Ho AW. see Tezal M.
Hodges JS. see Tran SD.
Hokett SD. see Austin GW.
Hokett SD. see Peacock ME.
Holford TR. see Neely AL.
Hollá LI, et al. Distribution of the receptor for advanced glycation endproducts gene polymorphisms in patients with chronic periodontitis: A preliminary study. 1742
Hollá LI, et al. Interactions of lymphotoxin α (TNF-β), angiotensin-converting enzyme (ACE), and endothelin-1 (ET-1) gene polymorphisms in adult periodontitis. 85
Holle R. see Eickholz P.
Holle R. see Klein F.
Holst D. see Schuller AA.
Hong H-H. see Uzel MI.
Hormia M, et al. The dento-epithelial junction: Cell adhesion by type I hemidesmosomes in the absence of a true basal lamina. 788
Horning GM. see Fisher SC.
Horning GM. see Paul BF.
Horning GM. see Rupprecht RD.
Horton JE. see Carr MP.
Howell TH. see Oringer RJ.
Hsieh Y-D. see Fu E.
Hsieh Y-D. see Shen E-C.
Huang Y. see Takeuchi Y.
Huang Y-W. see Peng K-Y.
Hull PS. see Linden GJ.
Hunt DR, et al. Hyaluronan supports recombinant human bone morphogenetic protein-2 induced bone reconstruction of advanced alveolar ridge defects in dogs. A pilot study. 651
Hunter SK. see Guthmiller JM.
Hüseyinov A. see Emingil G.

I

Iacono VJ. see Al-Shammari KF.
Iezzi G, et al. Oral focal mucinosis of the gingiva: Case report. 1100
Inagaki K. see Yoshinari N.
Irle C. see de Courten A.
Irwin CR. see Linden GJ.
Isaka J, et al. Participation of periodontal ligament cells with regeneration of alveolar bone. 314
Ishihara K. see Hirose M.

Index

Ishihara Y, et al. Non-redundant roles for interleukin-1α and interleukin-1β in regulating human IgG2. 1332
Ishikawa I. see Takeuchi Y.
Ishikawa I. see Wara-aswapati N.
Ito H. see Persson L.
Ito K, et al. Clinical application of a new compact computed tomography system for evaluating the outcome of regenerative therapy: A case report. 696
Ito K. see Suzuki N.
Iwamoto M. see Iwamoto Y.
Iwamoto Y, et al. The effect of antimicrobial periodontal treatment on circulating tumor necrosis factor-alpha and glycated hemoglobin level in patients with type 2 diabetes. 774

J

Jacquet E. see Brunel G.
James JA. see Linden GJ.
Jansson LE. see Ehnevid H.
Jara G. see López R.
Jeffcoat MK, et al. Intrapocket anesthesia for scaling and root planing: Results of a double-blind multicenter trial using lidocaine prilocaine dental gel. 895.
Jeffcoat MK. see Fritz ME.
Jeng J-H. see Chang M-C.
Jeong GJ. see Choi B-K.
Jin L, et al. Soluble CD14 levels in gingival crevicular fluid of subjects with untreated adult periodontitis. 634
Joe BH, et al. Interleukin-1β regulation of adhesion molecules on human gingival and periodontal ligament fibroblasts. 865
Johnson GK. see Guthmiller JM.
Johnson GK. see Williams RC.
Johnson LR. see Stoller NH.
Johnson NW. see Eaton KA.
Johnson RB, et al. Leptin within healthy and diseased human gingiva. 1254
Jorgensen MG. see Nowzari H.
Jovanovic SA. see Hunt DR.
Jung J-H. see Choi B-K.
Justumus P. see Brunel G.

K

Kamma JJ. see Nicolatou-Galitis O.
Kaneko S. see Kobayashi T.
Kang JH. see Choi B-K.
Kaňková K. see Hollá LI.
Kantarci A. see Uzel MI.
Karabuda C, et al. Histological and clinical evaluation of 3 different grafting materials for sinus lifting procedure based on 8 cases. 1436
Karaduman A. see Hakki SS.
Karimbux N. see Wara-aswapati N.
Kataoka M, et al. Nifedipine induces gingival overgrowth in rats through a reduction in collagen phagocytosis by gingival fibroblasts. 1078
Kattamis A. see Nicolatou-Galitis O.
Kawachi M. see Yoshinari N.
Kawamura M, et al. Health behaviors and their relation to metabolic control and periodontal status in type 2 diabetic patients: A model tested using a linear structural relations program. 1246
Kawasaki H. see Isaka J.
Kawase H. see Yoshinari N.
Kawashima Y. see Wara-aswapati N.
Kenney EB. see Lekovic V.
Kerr G. see Becker W.
Keskinoğlu A. see Emingil G.
Keskintepe M. see Joe BH.
Khang W, et al. A multi-center study comparing dual acid-etched and machined surfaced implants in various bone qualities. 1384
Khoury F, et al. Surgical therapy of peri-implant disease: A 3-year follow-up study of cases treated with 3 different techniques of bone regeneration. 1498
Kido J-I. see Kataoka M.
Kim C-K. see Choi B-K.
Kim C-K. see Park J-S.
Kim C-K. see Scabbia A.
Kim T-S. see Eickholz P.
Kim T-S. see Klein F.
Kimura Y, et al. Effects of erbium, chromium:YSGG laser irradiation on canine mandibular bone. 1178
Kirchner HL. see Guthmiller JM.
Kishima T. see Amano A.
Kitamura M. see Nozaki T.
Kitanaka M. see Takahashi K.
Klein F, et al. Radiographic defect depth and width for prognosis and description of periodontal healing of infrabony defects. 1639
Kleinfelder J, et al. Some effects of non-surgical therapy on gingival inflammatory cell subsets in patients with early-onset periodontitis associated with *Actinobacillus actinomycetemcomitans*. 1713
Klestov AC. see Mercado FB.
Klinger G. see Sigusch B.
Knuuttila MLE. see Nurmenniemi PK.
Knuuttila MLE. see Pernu HE.
Kobayashi M. see Isaka J.
Kobayashi M. see Okada M.
Kobayashi T, et al. The Fcγ receptor genotype as a severity factor for chronic periodontitis in Japanese patients. 1324
Kobayashi T. see Endo M.

Kohout FJ. see Guthmiller JM.
Kohyama A. see Nozaki T.
Koide M. see Yoshinari N.
Kokeguchi S. see Kurihara M.
Komai A. see Kurihara M.
Kono T, et al. Human fibroblasts ubiquitously express glutamic acid decarboxylase 65 (GAD 65): Possible effects of connective tissue inflammation on GAD antibody titer. 598
Korostoff JM. see Worch KP.
Koth D. see Fritz ME.
Kowolik MJ, et al. Systemic neutrophil response resulting from dental plaque accumulation. 146
Kramar B. see Matičič M.
Kreisler M, et al. Effect of diode laser irradiation on the attachment rate of periodontal ligament cells: An in vitro study. 1312
Kretchmer MC, et al. Metal piercing through the tongue and localized loss of attachment: A case report. 831
Kreutzer D. see Sfakianakis A.
Kugel B. see Eickholz P.
Kunikiyo K. see Kataoka M.
Kurihara H. see Okada M.
Kurihara H. see Shibata K.
Kurihara M, et al. Immunopathological diagnosis of cicatrical pemphigoid with desquamative gingivitis. A case report. 243
Kurtiş B. see Tüter G.
Kuru L, et al. Flow cytometry analysis of guided tissue regeneration-associated human periodontal cells. 1016
Kusumoto Y. see Nozaki T.
Kut-Lasserre C, et al. Effect of avocado and soybean unsaponifiables on gelatinase A (MMP-2), stromelysin 1 (MMP-3), and tissue inhibitors of matrix metalloproteinase (TIMP-1 and TIMP-2) secretion by human fibroblasts in culture. 1685
Kütükçüler N. see Buduneli N.
Kütükçüler N. see Emingel G.

L

Labadie M. see Wang H-L.
Labbé S, et al. Effects of dipeptide bestatin on *Porphyromonas gingivalis* and epithelial cells. 714
Lallier TE, et al. The putative collagen binding peptide hastens periodontal ligament cell attachment to bone replacement graft materials. 990
Lallier TE. see Palaiologou AA.
Lamb JW. see Henderson RD.
Lamb JW III, et al. A comparison of porous and nonporous Teflon membranes plus demineralized freeze-dried bone allograft in the treatment of Class II buccal/lingual furcation defects: A clinical re-entry study. 1580
Lamster IB. see Williams RC.
Lan W-H. see Chang M-C.
Landi L. see Majzoub Z.
Lang NP. see Cortellini P.
Lange DE. see Kleinfelder J.
Larjava HS. see Wiebe C.
Larjava HS. see Wiebe CB.
Larsson A. see Engström P-E.
Lazaro P. see Orsini M.
Leblebicioglu B. see Stehle HW.
Lee CS. see Giannobile WV.
Lee HJ. see Choi B-K.
Leghissa GC. see Piattelli A.
Leib AM. Patient preference for light-cured composite bite splint compared to heat-cured acrylic bite splint. 1108
Lekovic V, et al. Combination use of bovine porous bone mineral, enamel matrix proteins, and a bioabsorbable membrane in intrabony periodontal defects in humans. 583
Lekovic V, et al. The use of bovine porous bone mineral in combination with enamel matrix proteins or with an autologous fibrinogen/fibronection system in the treatment of intrabony periodontal defects in humans. 1157
Lemons J. see Fritz ME.
Leone L. see Battino M.
Lertsirivorakul J. see Wara-aswapati N.
Lessem J. see Williams RC.
Li H. see Xiao Y.
Lijnen A. see van Steenberghe D.
Lilli C. see Marinucci L.
Linden GJ, et al. The influence of transforming growth factor-β_1 gene polymorphisms on the severity of gingival overgrowth associated with concomitant use of cyclosporin A and a calcium channel blocker. 808
Listgarten MA. see Worch KP.
Liu D. see Chiu H-C.
Liu RK, et al. Polymorphonuclear neutrophils and their mediators in gingival tissues from generalized aggressive periodontitis. 1545
Llavaneras A, et al. A combination of a chemically modified doxycycline and a bisphosphonate synergistically inhibits endotoxin-induced periodontal breakdown in rats. 1069
Locci P. see Marinucci L.
Löe H. see Neely AL.
Lombardi T. see de Courten A.
Lopes de Souza MA. see Weidlich P.
López R, et al. Epidemiology of clinical attachment loss in adolescents. 1666
Lorenzana ER, et al. Esthetic management of multiple recession defects in a patients with cicatricial pemphigoid. 230
Lugão CEB. see Barboza EP.

Index

M

McAllister BS. Histologic and radiographic evidence of vertical ridge augmentation utilizing distraction osteogeneesis: 10 consecutively placed distractors. 1767
McClain P. see Cortellini P.
McClanahan SF, et al. Identification and consequences of distinct Löe-Silness gingival index examiner styles for the clinical assessment of gingivitis. 383
McDavid VG, et al. Laser irradiation on bone: III. Long-term healing following treatment by CO_2 and Nd:YAG lasers. 174
McGuire MK. President's address. 1816
McLeod MH. see Eggert FM.
McNamee P. see Linden GJ.
Machtei EE. The effect of membrane exposure on the outcome of regenerative procedures in humans: A meta-analysis. 512
Machtei EE. see Oettinger-Barak O.
Mackenzie IA, et al. Keratinocyte growth factor expression in human gingival fibroblasts and stimulation of in vitro gene expression by retinoic acid. 445
MacNeil RL. see Wang H-L.
MacNeill SR. see Jeffcoat MK.
Madianos PN. see Dasanayake AP.
Maeno M. see Suzuki N.
Magnusson I. see Jeffcoat MK.
Magnusson I. see Williams RC.
Mailhot JM. see Joe BH.
Majzoub Z, et al. Histology of connective tissue graft. A case report. 1607
Majzoub Z. see Cordioli G.
Makino H. see Iwamoto Y.
Makino H. see Kono T.
Malacara JM. see Rocha M.
Malevez C. see Choquet V.
Malizia T, et al. Interaction between piroxicam and azithromycin during distribution to human periodontal tissues. 1151
Malmquist J. see Fritz ME.
Manzella C. see Schierano G.
Mao T-K. see Fu E.
Marchisella C. see Bassi F.
Maretzki B. see Friedmann A.
Marin C. see Rimondini L.
Marini I, et al. Sucralfate: A help during oral management in patients with epidermolysis bullosa. 691
Marinucci L, et al. In vitro comparison of bioabsorbable and non-resorbable membranes in bone regeneration. 753
Marley JJ. see Linden GJ.
Marshall GW Jr. see Wirthlin MR.
Marshall RI. see Mercado FB.
Matičič M, et al. Detection of hepatitis C virus RNA from gingival crevicular fluid and its relation to virus presence in saliva. 11
Matsumoto K. see Kimura Y.
Matsuoka M. see Yoshinari N.
Matzenbacher SA. see Peacock ME.
Mauri M. see Saletta D.
Maxwell AP. see Linden GJ.
Mayer ET. see Aichelmann-Reidy ME.
Mayer ET. see Calongne KB.
Mayer ET. see Yukna RA.
Mayrand D. see Labbé S.
Meglič-Volkar J. see Matičič M.
Mehlbauer MJ. see Henderson RD.
Mendieta C. see Miranda J.
Meng HX. see Liu RK.
Mengel R, et al. Osseointegrated implants in patients treated for generalized chronic and generalized aggressive periodontitis: 3- and 5-year results of a prospective long-term study. 977
Mercado FB, et al. Relationship between rheumatoid arthritis and periodontitis. 779
Mertes H. see Purucker P.
Metzler DG. see Anderegg CR.
Meyer C. see Kreisler M.
Mickels N. see Jeffcoat MK.
Middleton D. see Linden GJ.
Midtvedt T. see Heymann R.
Miliauskaite A. see Sculean A.
Miller CC. see Kut-Lasserre C.
Mineshiba J. see Takahashi K.
Miranda J, et al. Prevalence and risk of gingival enlargement in patients treated with nifedipine. 605
Mirbod SM, et al. Immunohistochemical study of vestibular gingival blood vessel density and internal circumference in smokers and nonsmokers. 1318
Misch CE, et al. A bioengineered implant for a predetermined bone cellular response to loading forces. A literature review and case report. 1276
Miserocchi G. see Del Fabbro M.
Mitani A. see Yoshinari N.
Mitchell DH. see Daly CG.
Miura K. see Okada M.
Molina GO. see Novaes AB Jr.
Mongardini C. see De Soete M.
Montrucchio G. see Bassi F.
Moon I-S. see Park J-S.
Moriarty JD. see Kretchmer MC.
Morisaki I. see Amano A.
Morita M, et al. Relationship between sulcular sulfide level and oral malodor in subjects with periodontal disease. 79
Morita M, et al. Relationship of sulcular sulfide level to severity of periodontal disease and BANA test. 74

Morrison E. see Becker W.
Mortarino C. see Cordioli G.
Morton RS, et al. Cyclooxygenase-2 is upregulated in inflamed gingival tissues. 461
Mosca F. see Battino M.
Moses O, et al. Tetracycline modulates collagen membrane degradation in vitro. 1588
Moses R. see Lallier TE.
Moses R. see Palaiologou AA.
Moshovi M. see Nicolatou-Galitis O.
Mota L. see Guiha R.
Mumford JH, et al. The effects of platelet-derived growth factor-BB on periodontal cells in an in vitro wound model. 331
Mumford JH. see Oates TW.
Murakami S. see Nozaki T.
Murakami Y. see Kimura Y.
Murayama Y. see Iwamoto Y.
Murayama Y. see Kono T.
Murayama Y. see Kurihara M.
Murayama Y. see Takahashi K.
Muzzi L. see Cattabriga M.

N

Nagasawa T. see Wara-aswapati N.
Nagashima C. see Isaka J.
Nagata T. see Kataoka M.
Näher H. see Eickholz P.
Nakagawa I. see Amano A.
Nakagawa M. see Iwamoto Y.
Nakagawa T. see Hirose M.
Nakane M. see Yoshinari N.
Nasr HF. see Aichelmann-Reidy ME.
Nava LE. see Rocha M.
Neely AL, et al. The natural history of periodontal disease in man. Risk factors for progression of attachment loss in individuals receiving no oral health care. 1006
Nelson SW. Subperiosteal and intraossous connective tissue grafts for pocket reduction: A 9- to 13-year retrospective case series report. 1424
Nelson SW. Subperiosteal connective tissue grafts for pocket reduction and preservation of gingival esthetics: A case report. 1092
Nemcovsky CE. see Artzi Z.
Nemcovsky CE. see Moses O.
Nemcovsky CE. see Vardimon AD.
Nentwig G-H. see Romanos G.
Nevins M. Will implants survive well in patients with a history of inflammatory periodontal disease? (commentary) 113
Nevins ML. see Oringer RJ.
Nicolatou-Galitis O, et al. Gingival overgrowth as the initial paraneoplastic manifestation of Hodgkin's lymphoma in a child. A case report. 107
Nicoll BK. see Rupprecht RD.
Nieh S. see Fu E.
Nieri M. see Cattabriga M.
Nieri M. see Saletta D.
Nishimura F. see Iwamoto Y.
Nishimura F. see Kono T.
Nishimura F. see Kurihara M.
Nishimura F. see Takahashi K.
Noack B, et al. Periodontal infections contribute to elevated systemic C-reactive protein level. 1221
Nociti FH, Jr. see Duarte PM.
Noguchi T. see Yoshinari N.
Nogueira Filho, GR. see Duarte PM.
Noorani SM. see Alpha CX.
Novaes AB. see Novaes AB, Jr.
Novaes AB Jr, et al. Comparative 6-month clinical study of a subepithelial connective tissue graft and acellular dermal matrix graft for the treatment of gingival recession. 1477
Novaes AB Jr, et al. Preprosthetic periodontal surgery in the interproximal area with modification of the COL area. Anatomic and histologic study in dogs. 1734
Novaes AB Jr, et al. Root trunk concavities as a risk factor for regenerative procedures of Class II furcation lesions in dogs. 612
Novaes AB Jr. see Batista EL Jr.
Nowzari H, et al. Aggressive periodontitis associated with Fanconi's anemia. A case report. 1601
Nozaki T, et al. A sensitive method for detecting *Porphyromonas gingivalis* by polymerase chain reaction and its possible clinical application. 1228
Nunn ME, et al. The effect of occlusal discrepancies on periodontitis. I. Relationship of initial occlusal discrepancies to initial clinical parameters. 485
Nunn ME. see Harrel SK.
Nurmenniemi PK, et al. Mitotic activity of keratinocytes in nifedipine- and immunosuppressive medication-induced gingival overgrowth. 167

O

Oates TW, et al. Characterization of proliferation and cellular wound fill in periodontal cells using an in vitro wound model. 324
Oates TW. see Mumford JH.
Öbrink B. see Heymann R.
Ochsenbein C. see Becker W.
Oettinger-Barak O, et al. Periodontal changes in liver cirrhosis and post-transplantation patients. I: Clinical findings. 1236
Offenbacher S. see Dasanayake AP.
Offenbacher S. see Williams RC.
Ohazama A. see Isaka J.

Index

Ohk S-H. see Choi B-K.
Ohyama H. see Takahashi K.
Ohyama M. see Suzuki N.
Okada H. see Nozaki T.
Okada M, et al. Clinical periodontal findings and microflora profiles in children with chronic neutropenia under supervised oral hygiene. 945
Okuda K. see Hirose M.
Olgaç V. see Karabuda C.
Oliveira PT. see Novaes AB Jr.
Olsen I. see Das SJ.
Olsen I. see Kuru L.
Önal S. seeYalçin S.
Ong AH. see Romanos G.
Opperman RV. see Weidlich P.
Oringer RJ, et al. Relationship between crevicular aspartate aminotransferase levels and periodontal disease progression. 17
Oringer RJ. see Al-Shammari KF.
Oringer RJ. see Williams RC.
Orsini G. see Orsini M.
Orsini M, et al. Comparison of calcium sulfate and autogenous bone graft to bioabsorbable membranes plus autogenous bone graft in the treatment of intrabony periodontal defects: A split-mouth study. 296
Otsuka K. see Suzuki N.
Owaribe K. see Hormia M.
Ozdemir O. see Karabuda C.

P

Paquette DW. see Williams RC.
Pagliaro U. see Saletta D.
Palaiologou AA, et al. Gingival, dermal, and periodontal ligament fibroblasts express different extracellular matrix receptors. 798
Palioto DB. see Novaes AB Jr.
Paolantonio M, et al. Immediate implantation in fresh extraction sockets. A controlled clinical and histological study in man. 1560
Paolantonio M. see Piattelli A.
Papadaki T. see Nicolatou-Galitis O.
Papaioannou W. see Quirynen M.
Park J-S, et al. Effects of pretreatment clinical parameters on bioactive glass implantation in intrabony periodontal defects. 730
Parkar MH. see Das SJ.
Parkar MH. see Kuru L.
Paul BF, et al. The osteoinductive potential of demineralized freeze-dried bone allograft in human non-orthotopic sites: A pilot study. 1064
Pauwels M. see De Soete M.
Pauwels M. see van Steenberghe D.
Pavan JV. see Bustos DA.
Peacock ME, et al. Gingival plasma cell granuloma. 1287
Peacock ME. see Austin GW.
Peeters W. see van Steenberghe D.
Peled M. see Oettinger-Barak O.
Pellat B. see Kut-Lasserre C.
Peng K-Y, et al. Mandibular second molar periodontal status after third molar extraction. 1647
Pereira R, et al. Efficacy of a 3% potassium nitrate desensitizing mouthwash in the treatment of dentinal hypersensitivity. 1720
Pernu HE, et al Macrophages and lymphocyte subpopulations in nifedipine- and cycloporin A-associated human gingival overgrowth. 160
Pernu HE. see Nurmenniemi PK.
Persson GR. see Williams RC.
Persson L, et al. Tobacco smoking and neutrophil activity in patients with periodontal disease. 90
Pfister W. see Sigusch B.
Piattelli A, et al. Fluids and microbial penetration in the internal part of cement-retained versus screw-retained implant-abutments connections. 1146
Piattelli A. see Iezzi G.
Piattelli A. see Orsini M.
Piattelli A. see Paolantonio M.
Piccardi N. see Kut-Lasserre C.
Piccolomini R. see Piattelli A.
Pini Prato G. see Cairo F.
Pini Prato G. see Cattabriga M.
Pini Prato G. see Saletta D.
Pioch T. see Dörfer CE.
Pitaru S. see Friedmann A.
Pitiphat W. see Wara-aswapati N.
Plamondon P. see Labbé S.
Poggi P. see Rota MT.
Pohl S. see Eickholz P.
Poljak M. see Matičič M.
Pontoriero R, et al. Surgical crown lengthening: A 12-month clinical wound healing study. 841
Poulton KV. see Linden GJ.
Preti G. see Bassi F.
Preti G. see Schierano G.
Prichard J. see Becker W.
Promsudthi A. see Guglielmoni P.
Pruthi VK. see Mirbod SM.
Purucker P, et al. Local versus systemic adjunctive antibiotic therapy in 28 patients with generalized aggressive periodontitis. 1241
Putnins EE, et al. Dental unit waterline contamination and its possible implications during periodontal surgery. 393
Putnins EE. see Wiebe C.
Putnins EE. see Wiebe CB.

Q

Quirynen M, et al. Adhesion of *Porphyromonas gingivalis* strains to cultured epithelial cells from

patients with a history of chronic adult periodontitis or from patients less susceptible to peridontitis. 626
Quirynen M. see De Soete M.
Quirynen M. see van Steenberghe D.

R

Raabe DA. see Walters JD.
Ramamurthy NS. see Llavaneras A.
Rapley JW. see McDavid VG.
Rattanayatikul C. see Wara-aswapati N.
Reasner DS. see Oringer RJ.
Rebitski G. see Henderson RD.
Rebitski G. see Lamb JW III.
Reddy M. see Fritz ME.
Rees TD. see Lorenzana ER.
Regennitter FJ. see Henderson RD.
Reich E. see Schwarz F.
Reich E. see Sculean A.
Reitmeir P. see Klein P.
Reynolds MA. see Rosen PS.
Rifkin BR. see Llavaneras A.
Rimondini L, et al. Internal contamination of a 2-component implant system after occlusal loading and provisionally luted reconstruction with or without a washer device. 1652
Roberts F. see Jeffcoat MK.
Robinson P. see Jeffcoat MK.
Rocha M, et al. Clinical and radiological improvement of periodontal disease in patients with type 2 diabetes mellitus treated with alendronate: A randomized, placebo-controlled trial. 204
Rodda BE. see Williams RC.
Rodriguez J. see Kowolik MJ.
Rogers RS. see Ayangco L.
Romagna-Genon C. Comparative clinical study of guided tissue regeneration with a bioabsorbable bilayer collagen membrane and subepithelial connective tissue graft. 1258
Romanos G, et al. Peri-implant bone reactions to immediately loaded implants. An experimental study in monkeys. 506
Rönka H. see Atilla G.
Rosen PS, et al. Guided bone regeneration for dehiscence and fenestration defects on implants using an absorbable polymer barrier. 250
Rosenberg E. see Froum SJ.
Roset P. see Miranda J.
Rossi R. see Cortellini P.
Rota MT, et al. Human gingival fibroblast cytoskeleton is a target for volatile smoke components. 709
Rotundo R. see Cairo F.
Rotundo R. see Cattabriga M.
Ruacan S. see Hakki SS.
Rubini C. see Iezzi G.
Rubino I. see Cairo F.
Rudney JD. see Tran SD.
Rupprecht RD, et al. A clinical evaluation of hydroxyapatite cement in the treatment of Class III furcation defects. 1443
Rupprecht RD, et al. Prevalence of dehiscences and fenestrations in modern American skulls. 722
Ryan ME. see Llavaneras A.

S

St. Marie S. see Lallier TE.
Saito A. see Hirose M.
Sakamoto M. see Takeuchi Y.
Salama H. see Garber DA.
Salama MA. see Garber DA.
Salamati A. see Jeffcoat MK.
Saletta D, et al. Coronally advanced flap procedure: Is the interdental papilla a prognostic factor for root coverage? 760
Sallum AW. see Duarte PM.
Sallum EA. see Duarte PM.
Salo T. see Llavaneras A.
Samson J. see de Courten A.
Sánchez-Marín F. see Rocha M.
Santucci EA. see Williams RC.
Sanz M. see Orsini M.
Sasahara H. see Kawamura M.
Sauk JJ. see de Andrade CR.
Sawa T . see Kataoka M.
Sawa T. see Takahashi K.
Scabbia A, et al. Cigarette smoking negatively affects healing response following flap debridement surgery. 43
Scales DK. see Peacock ME.
Scannapieco FA, et al. Potential associations between chronic respiratory disease and periodontal disease: Analysis of National Health and Nutrition Examination Survey III. 50
Scarano A. see Paolantonio M.
Scarano A. see Piattelli A.
Schafer DR. see Paul BF.
Scheetz JP. see Lamb JW, III.
Schenk RK. see Hermann JS.
Schenkein HA. see Ishihara Y.
Schierano G, et al. In vitro effect of transforming growth factor-β on adhesion molecule expression by human gingival fibroblasts cultured in the presence of a titanium abutment. 1658
Schierano G. see Bassi F.
Schomberg LL. see Alpha CX.
Schoolfield JD. see Hermann JS.
Schröder T. see Mengel R.
Schuller AA, et al. An "S-shaped" relationship between smoking duration and alveolar bone loss: Generating a hypothesis. 1164
Schwartz Z. see Hirsch A.

Schwarz F, et al. Periodontal treatment with an Er:YAG laser compared to scaling and root planing. A controlled clinical study. 361
Sculean A, et al. The effect of postsurgical antibiotics on the healing of intrabony defects following treatment with enamel matrix proteins. 190
Sculean A, et al. Treatment of intrabony defects with enamel matrix proteins or bioabsorbable membranes. A 4-year follow-up split-mouth study. 1695
Sculean A. see Kleinfelder J.
Sculean A. see Schwarz F.
Séguier S, et al. Is collagen breakdown during periodontitis linked to inflammatory cells and expression of matrix metalloproteinases and tissue inhibitors of metalloproteinases in human gingival tissue? 1398
Sekler J. see Oringer RJ.
Seme K. see Matičič M.
Senesi S. see Malizia T.
Serdar M. see Tüter G.
Serio FG. see Johnson RB.
Seymour GJ. see Herminajeng E.
Sfakianakis A, et al. Mechanisms of *Actinobacillus actinomycetemcomitans*-induced expression of interleukin-8 in gingival epithelial cells. 1413
Sharawy M. see Misch CE.
Sheff MC. see Uzel MI.
Shen E-C, et al. Effects of cyclosporin A on dental alveolar bone: A histomorphogenetic study in rats. 659
Shen E-C. see Fu E.
Shen E-C. see Peng K-Y.
Sheridan PJ. see Ayangco L.
Shi X-Q. see Engström P-E.
Shibata K, et al. Nitric oxide synthase activity in neutrophils from patients with localized aggressive periodontitis. 1052
Shikata K. see Iwamoto Y.
Shimizu Y. see Kataoka M.
Shinoda K. see Ito K.
Short CD. see Linden GJ.
Shyr Y. see Wang H-L.
Siar CH. see Romanos G.
Sigurdsson TJ. see Scabbia A.
Sigusch B, et al. A 2-step non-surgical procedure and systemic antibiotics in the treatment of rapidly progressive periodontitis. 275
Sikata K. see Kono T.
Silva A. see Gamonal J.
Silvestri M. see Cortellini P.
Simonet T. see Brunel G.
Singh BB. see Joe BH.
Skaleric U. see Matičič M.
Slots J. see Nowzari H.
Socransky S. see De Soete M.
Somerman MJ. see Hakki SS.
Sorsa T. see Atilla G.
Sorsa T. see Llavaneras A.
Sosroseno W. see Herminajeng E.
Souza SLS. see Novaes AB, Jr.
Sparks BS. see Tran SD.
Spencer P. see McDavid VG.
Staehle HJ. see Dörfer CE.
Staehle HJ. see Eickholz P.
Staehle, H-J. see Klein F.
Stehle HW, et al. Short-chain carboxylic acids produced by Gram-negative anaerobic bacteria can accelerate or delay polymorphonuclear leukocyte apoptosis in vitro. 1059
Stein SH. see Wendell KJ.
Stender E. see Kreisler M.
Stewart D. see Daly CG.
Stoller NH, et al. Periodontal regeneration of a Class II furcation defect utilizing a bioabsorbable barrier in a human. A case study with histology. 238
Strietzel FP. see Friedmann A.
Sugimoto Y. see Iwamoto Y.
Sugimoto Y. See Kono T.
Sugita N. see Kobayashi T.
Suh H-Y. see Choi B-K.
Suh J-J. see Park J-S.
Sutherland DE. see Austin GW.
Suvan JE. see Cortellini P.
Suzuki N, et al. Attachment of human periodontal ligament cells to enamel matrix-derived protein is mediated via interaction between BSP-like molecules and integrin αvβ3. 1520
Swaminathan D. see Romanos G.

T

Ta TT. see Nowzari H.
Taba M Jr. see Novaes AB Jr.
Tabeta K. see Endo M.
Tachikawa T. see Isaka J.
Tai H. see Endo M.
Takahashi K, et al. Heterogeneity of host immunological rosk factors in patients with aggressive periodontitis. 425
Takashiba S. see Kurihara M.
Takashiba SD. see Takahashi K.
Takeuchi Y, et al. *Treponema socranskii, Treponema denticola,* and *Porphyromonas gingivalis* are associated with severity of periodontal tissue destruction. 1354
Takiguchi T. see Isaka J.
Takiguchi H. see Nozaki T.
Tal H. see Artzi Z.
Tal H. see Moses O.
Tamani JP. see Novaes AB Jr.
Tarnow D. see Froum SJ.
Tarnow DP. see Choquet V.
Tatakis DN. see Guglielmoni P.

Tejeda KM. see Giannobile WV.
Terling C. see Heymann R.
Teronen O. see Llavaneras A.
Tew JG. see IshiharaY.
Tezal M, et al. The effect of alcohol consumption on periodontal disease. 183
Todescan R Jr. see Deporter DA.
Toh CG. see Romanos G.
Tohya T. see Yoshinari N.
Toljanic JA, et al. A longitudinal clinical comparison of plaque-induced inflammation between gingival and peri-implant soft tisuues in the maxilla. 1139
Tomala MP. see Giannobile WV.
Tonetti MS. see Cortellini P.
Tosun T. see Karabuda C.
Towle HJ Jr. see Rupprecht RD.
Trackman PC. see Uzel MI.
Tran SD, et al. Persistent presence of *Bacteroides forsythus* as a risk factor for attachment loss in a population with low prevalence and severity of adult periodontitis. 1
Trevisan M. see Noack B.
Trombelli L. see Guglielmoni P.
Trombelli L. see Scabbia A.
Tronje G. see Engström P-E.
Tseng Y-C. see Peng K-Y.
Tsoumakas C. see Nicolatou-Galitis O.
Tsuji T. see Iwamoto Y.
Tsurumoto A. see Kawamura M.
Tumini V. see Paolantonio M.
Tüter G, et al. Interleukin-1β and thiobarbituric acid reactive substance (TBARS) levels after phase I periodontal therapy in patients with chronic periodontitis. 883
Tzortzatou-Stathopoulou F. see Nicolatou-Galitis O.

U

Ueda H. see Kurihara M.
Uitto V-J. see Labbé S.
Umeda M. see Takeuchi Y.
Usubütün A. see Hakki SS.
Uygur C. see Uzel MI.
Uzel MI, et al. Connective tissue growth factor in drug-induced gingival overgrowth. 921

V

Vácha J. see Hollá LI.
Valente G. see Bassi F.
van de Winkel JGJ. see Kobayashi T.
Van den Bos T. see van der Pauw MT.
van der Pauw MT, et al. Phagocytosis of fibronectin and collagens type I, III, and V by human gingival and periodontal ligament fibroblasts in vitro. 1340
van der Pol W-L. see Kobayashi T.
van der Reijden WA. see van Winkelhoff AJ.
Van Dyke TE. see Shibata K.
Van Dyke TE. see Williams RC.
Vaněk J. see Hollá LI.
Vangsted T. see Cortellini P.
van Steenbergen TJM. see Quirynen M.
van Steenberghe D, et al. Effect of different mouthrinses on morning breath. 1183
van Steenberghe D. see De Soete M.
van Steenberghe D. see Quirynen M.
Van Vliet-Constantinidou C. see Nicolatou-Galitis O.
van Winkelhoff AJ, et al. Smoking affects the subgingival microflora in peridontitis. 666
Vardimon AD, et al. Orthodontic tooth movement enhances bone healing of surgical bony defects in rats. 858
Vasilic N. see Lekovic V.
Vašků A. see Hollá LI.
Vázquez de la Torre C. see Rocha M.
Vecchiet F. see Marini I.
Verrocchi G. see Cattabriga M.
Virtanen I. see Hormia M.

W

Waldrop TC. see Gunsolley JC.
Walsh P. see Wiebe CB.
Walters JD, et al. Excision and repair of the peripheral ossifying fibroma: A report of 3 cases. 939
Walters JD. see Stehle HW.
Wang H-L, et al. Comparison of 2 clinical techniques for treatment of gingival recession. 1301
Wang H-L. see Al-Shammari KF.
Wang H-L. see Bunyaratavej P.
Wang H-L. see Morita M.
Wara-aswapati N, et al. Papillon-Lefèvre syndrome: serum immunoglobulin G (IgG) subclass antibody response to periodontopathic bacteria. A case report. 1747
Wara-aswapati N, et al. Thickness of palatal masticatory mucosa associated with age. 1407
Warbington ML. see Shibata K.
Ward CB. see Toljanic JA.
Weenig DR. see Guthmiller JM.
Weidlich P, et al. Evaluation of the dentogingival area during early plaque formation. 901
Weinberg MA. see Froum SJ.
Weinlaender M. see Lekovic V.
Weinstein RL. see Del Fabbro M.
Welander U. see Engström P-E.
Wendell KJ, et al. Regulation of cytokine production in human gingival fibroblasts following treatment with nicotine and lipopolysaccharide. 1038
Wiebe C, et al. Naturally occurring periodontal bone loss in the wild deer mouse, genus *Peromyscus*. 620

Index

Wiebe CB, et al. Successful periodontal maintenance of a case with Papillon-Lefèvre syndrome: 12-year follow-up and review of the literature. 824
Wikesjö UME. see Hunt DR.
Will JK. see Walters JD.
Willershausen-Zönnchen B. see Kreisler M.
Williams RC, et al. Treatment of periodontitis by local administration of minocycline microspheres: A controlled trial. 1535
Winkel EG. see van Winkelhoff AJ.
Winn DM. see Albandar JM.
Wirthlin MR, et al. Evaluation of ultrasonic scaling unit waterline contamination after use of chlorine dioxide mouthrinse lavage. 401
Wolff LF. see Williams RC.
Wong HMY, et al. Practice management: Observations, issues, and empirical evidence. 196
Worch KP, et al. A multidisciplinary approach to the diagnosis and treatment of early-onset periodontitis: A case report. 96
Wozney JM. see Hunt DR.
Wright JM. see Harrel SK.
Wroblewski J. see Heymann R.
Wu H-L. see Chang M-C.
Wündrich D. see Dörfer CE.

X

Xiao Y, et al. The expression of plasmogen activator system in a rat model of periodontal wound healing. 849

Y

Yaacob H. see Romanos G.
Yaffe A. see Binderman I.
Yalçin F. see Yalçin S.
Yalçin S, et al. Treatment of aggressive periodontitis by osseointegrated dental implants. A case report. 411
Yamada S. see Hirose M.
Yamamoto K. see Kobayashi T.
Yamashita A. see Kimura Y.
Yamazaki K. see Endo M .
Yasuda K. see Kobayashi T.
Yeung GM. see Gunsolley JC.
Yoo Y-J. see Choi B-K.
Yoshie H. see Endo M.
Yoshi H. see Kobayashi T.
Yoshinari N, et al. Effect of repeated local minocycline administration on periodontal healing following guided tissue regeneration. 284
Yoshinuma N. see Ito K.
Yu D-C. see Kimura Y.
Yukna R. see Jeffcoat MK.
Yukna R. see Lallier TE.
Yukna RA, et al. Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. 125
Yukna RA. see Aichelmann-Reidy ME.
Yukna RA. see Calongne KB.
Yukna RA. see Palaiologou AA.

Z

Zakotnik B. see Matičič M.
Zambon JJ. see Noack B.
Zhang J-B. see Ishihara Y.
Zhu Z. see Giannobile WV.
Znojil V. see Hollá LI.
Zohar R. see Binderman I.
Zohar R. see Moses O.
Zucchelli G. see Cortellini P.

JOURNAL OF PERIODONTOLOGY

Subject Index to Volume 72, 2001, numbers 1 through 12

Note: The subject heading, SURGICAL PROCEDURES, MINIMALLY INVASIVE, was accidentally omitted from the subject indexes for volumes 70 (1999) and 71 (2000). The following articles should have appeared under that heading:

Harrel SK. A minimally invasive surgical approach for periodontal regeneration: Surgical technique and observations. 1999;70:1547

Harrel SK, et al. Long-term results of a minimally invasive surgical approach for bone grafting. 1999;70:1558

Harrel SK, et al. Treatment of periodontal destruction associated with a cemental tear using minimally invasive surgery. 2000;71:1761

They are included in this subject index and have been corrected in the electronic (online) versions of the abstract key words and subject indexes for 1999 and 2000.

A

ACANTHOSIS NIGRICANS
Oral acanthosis nigricans as a marker of internal malignancy. A case report. Cairo F, et al. 1271

ACETALDEHYDE/adverse effects
Human gingival fibroblast cytoskeleton is a target for volatile smoke components. Rota MT, et al. 709

ACROLEIN/adverse effects
Human gingival fibroblast cytoskeleton is a target for volatile smoke components. Rota MT, et al. 709

ACRYLIC RESINS
Patient preference for light-cured composite bite splint compared to heat-cured acrylic bite splint. Leib AM. 1108

ACTINOBACILLUS ACTINOMYCETEMCOMITANS
Aggressive periodontitis associated with Fanconi's anemia. A case report. Nowzari H, et al. 1601

Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463

Combined mechanical and antibiotic periodontal therapy in a case of Papillon-Lefèvre syndrome. Eickholz P, et al. 542

Expression of cytokines and inducible nitric oxide synthase in inflamed gingival tissue. Hirose M, et al. 590

Mechanisms of *Actinobacillus actinoycetemcomitans* induced expression of interleukin-8 in gingival epithelial cells. Sfakianakis A, et al. 1413

Papillon-Lefèvre syndrome: Serum immunoglobulin G (IgG) subclass antibody response to periodontopathic bacteria. A case report. Wara-aswapati N, et al. 1747

Persistent presence of *Bacteroides forsythus* as a risk factor for attachment loss in a population with low prevalence and severity of adult periodontitis. Tran SD, et al. 1

Some effects of non-surgical therapy on gingival inflammatory cell subsets in patients with early-onset periodontitis associated with *Actinobacillus actinomycetemcomitans*. Kleinfelder J, et al. 1713

ADHESION MOLECULE, INTERCELLULAR
Interleukin-1β regulation of adhesion molecules on human gingival and periodontal ligament fibroblasts. Joe BH, et al. 865

ADHESION MOLECULE, VASCULAR CELL
Interleukin-1β regulation of adhesion molecules on human gingival and periodontal ligament fibroblasts. Joe BH, et al. 865

ADOLESCENTS
Epidemiology of clinical attachment loss in adolescents. Lopez R, et al. 1666

The influence of partial and full-mouth recordings on estimates of prevalence and extent of lifetime cumulative attachment loss: A study in a population of young male military recruits. Eaton KA, et al. 140

AFRICAN AMERICANS
The association between *Porphyromonas gingivalis*-specific maternal serum IgG and low birth weight. Dasanayake AP, et al. 1491

AGING
Thickness of palatal masticatory mucosa associated with age. Wara-aswapati N, et al. 1407

ALCOHOL DRINKING
The effect of alcohol consumption on periodontal disease. Tezal M, et al. 183

ALENDRONATE/therapeutic use
Clinical and radiological improvement of periodontal disease in patients with type 2 diabetes mellitus treated with alendronate: A randomized, placebo-controlled trial. Rocha M, et al. 204

ALKALINE PHOSPHATASE ACTIVITY
In vitro comparison of bioabsorbable and nonresorbable membranes in bone regeneration. Marinucci L, et al. 753

ALPHA-1 ANTITRYPSINS
Tobacco smoking and neutrophil activity in patients with periodontal disease. Persson L, et al. 90

Index

ALPHA-2-MACROGLOBULINS
Tobacco smoking and neutrophil activity in patients with periodontal disease. Persson L, et al. 90
ALVEOLAR BONE
Participation of periodontal ligament cells with regeneration of alveolar bone. Isaka J, et al. 314
ALVEOLAR BONE/anatomy and histology
The effect of an immunosuppressive therapy and its withdrawal on bone healing around titanium implants. A histometric study in rabbits. Duarte PM, et al. 1391
Effects of cyclosporin A on dental alveolar bone: A histomorphometric study in rats. Shen E-C, et al. 659
Influence of the size of the microgap on crestal bone changes around titanium implants. A histometric evaluation of unloaded nonsubmerged implants in the canine mandible. Hermann JS, et al. 1372
Preprosthetic periodontal surgery in the interproximal area with modification of the COL area. Anatomic and histologic study in dogs. Novaes AB Jr, et al. 1734
Prevalence of dehiscences and fenestrations in modern American skulls. Rupprecht RD, et al. 722
ALVEOLAR BONE/surgery
Preprosthetic periodontal surgery in the interproximal area with modification of the COL area. Anatomic and histologic study in dogs. Novaes AB Jr, et al. 1734
ALVEOLAR BONE LOSS
Clinical and radiological improvement of periodontal disease in patients with type 2 diabetes mellitus treated with alendronate: A randomized, placebo-controlled trial. Rocha M, et al. 204
A combination of a chemically modified doxycycline and a bisphosphonate synergistically inhibits endotoxin-induced periodontal breakdown in rats. Llavaneras A, et al. 1069
Distribution of the receptor for advanced glycation endproducts gene polymorphisms in patients with chronic periodontitis: A preliminary study. Hollà LI, et al. 1742
ALVEOLAR BONE LOSS/epidemiology
An "S-shaped" relationship between smoking duration and alveolar bone loss: Generating a hypothesis. Schuller AA, et al. 1164
ALVEOLAR BONE LOSS/etiology
Alveolar bone resorption following coronal versus apical approach in a mucoperiosteal flap surgery procedure in the rat mandible. Binderman I, et al. 1348
Metal piercing through the tongue and localized loss of attachment: A case report. Kretchmer MC, et al. 831
ALVEOLAR BONE LOSS/microbiology
Effects of whole cell sonicates of *Treponema lecithinolyticum* on osteoclast differentiation. Choi B-K, et al. 1172
ALVEOLAR BONE LOSS/prevention and control
Immediate implantation in fresh extraction sockets. A controlled clinical and histological study in man. Paolantonio M, et al. 1560
ALVEOLAR BONE LOSS/therapy
Orthodontic tooth movement enhances bone healing of surgical bony defects in rats. Vardimon AD, et al. 958
ALVEOLAR RIDGE/surgery
Management of soft tissue ridge deformities with acellular dermal matrix. Clinical approach and outcome after 6 months of treatment. Batista EL Jr, et al. 265
ALVEOLAR RIDGE AUGMENTATION
Histologic and radiographic evidence of vertical ridge augmentation utilizing distraction osteogenesis: 10 consecutively placed distractors. McAllister BS. 1767
Hyaluronan supports recombinant human bone morphogenetic protein-2 induced bone reconstruction of advanced alveolar ridge defects in dogs. A pilot study. Hunt DR, et al. 651
Porous bovine bone mineral in healing of human extraction sockets: 2. Histochemical observations at 9 months. Artzi Z, et al. 152
AMERICAN ACADEMY OF PERIODONTOLOGY
Annual Meeting Abstracts. 1133, 1295, 1629, 1780
Annual Report. 1801
Guidelines for periodontal therapy (position paper). 1624
In-office use of conscious sedation in periodontics (guidelines). 968
President's Address. McGuire MK. 1816
Tissue banking of bone allografts used in periodontal regeneration (position paper). 834
Treatment of plaque-induced gingivitis, chronic periodontitis, and other clinical conditions (position paper). 1790
2001 Balint Orban Memorial Program Abstracts. 1133
2001 Oral Research Forum Abstracts. 1295
2001 Research Forum Poster Abstracts. 1629, 1780
AMOXICILLIN/therapeutic use
Combined mechanical and antibiotic periodontal therapy in a case of Papillon-Lefèvre syndrome. Eickholz P, et al. 542
The effect of postsurgical antibiotics on the healing of intrabony defects following treatment with enamel matrix proteins. Sculean A, et al. 190
ANALYSIS OF VARIANCE
The natural history of periodontal disease in man. Risk factors for progression of attachment loss

in individuals receiving no oral health care. Neely AL, et al. 1006
ANESTHESIA, CONSCIOUS SEDATION
Guidelines: In-office use of conscious sedation in periodontics. American Academy of Periodontology. 968
ANESTHESIA, TOPICAL
Clinical evaluation and comparison of 2 topical anesthetics for pain caused by needle sticks and scaling and root planing. Carr MP, et al. 479
Intrapocket anesthesia for scaling and root planing: Results of a double-blind multi-center trial using lidocaine prilocaine dental gel. Jeffcoat MK, et al. 895
ANIMAL STUDIES
Alveolar bone resorption following coronal versus apical approach in a mucoperiosteal flap surgery procedure in the rat mandible. Binderman I, et al. 1348
A bioengineered implant for a predetermined bone cellular response to loading forces. A literature review and case report. Misch CE, et al. 1276
The characteristic cellular organization and CEACAM1 expression in the junctional epithelium of rats and mice are genetically programmed and not influenced by the bacterial microflora. Heymann R, et al. 454
A clinical evaluation of hydroxyapatite cement in the treatment of Class III furcation defects. Ruprecht RD, et al. 1443
A combination of a chemically modified doxycycline and a bisphosphonate synergistically inhibits endotoxin-induced periodontal breakdown in rats. Llavaneras A, et al. 1069
Cyclosporin-induced gingival overgrowth at the newly formed edentulous ridge in rats. A morphological and histometric evaluation. Fu E, et al. 889
Does nifedipine aggravate cyclosporin-induced gingival overgrowth? An experiment in rats. Chiu H-C, et al. 532
The effect of an immunosuppressive therapy and its withdrawal on bone healing around titanium implants. A histometric study in rabbits. Duarte PM, et al. 1391
Effects of cyclosporin A on dental alveolar bone: A histomorphometric study in rats. Shen E-C, et al. 659
The effects of interleukin-10 depletion in vivo on the immune response to *Porphyromonas gingivalis* in a murine model. Herminajeng E, et al. 1527
The expression of plasminogen activator system in a rat model of periodontal wound healing. Xiao Y, et al. 849
Fluid dynamics of gingival tissues in transition from physiological condition to inflammation. Del Fabbro M, et al. 65
Histological evaluation of healing and revascularization of the subepithelial connective tissue graft. Guiha R, et al. 470
Hyaluronan supports recombinant human bone morphogenetic protein-2 induced bone reconstruction of advanced alveolar ridge defects in dogs. A pilot study. Hunt DR, et al. 651
Implants in regenerated bone in a primate model. Fritz ME, et al. 703
Influence of the size of the microgap on crestal bone changes around titanium implants. A histometric evaluation of unloaded nonsubmerged implants in the canine mandible. Hermann JS, et al. 1372
Laser irradiation of bone: III. Long-term healing following treatment by CO_2 and Nd:YAG lasers. McDavid VG, et al. 174
Naturally occurring periodontal bone loss in the wild deer mouse, genus *Peromyscus*. Wiebe CB, et al. 620
Nifedipine induces gingival overgrowth in rats through a reduction in collagen phagocytosis by gingival fibroblasts. Kataoka M, et al. 1078
Orthodontic tooth movement enhances bone healing of surgical bony defects in rats. Vardimon AD, et al. 958
Participation of periodontal ligament cells with regeneration of alveolar bone. Isaka J, et al. 314
Peri-implant bone reactions to immediately loaded implants. An experimental study in monkeys. Romanos G, et al. 506
Preprosthetic periodontal surgery in the interproximal area with modification of the COL area. Anatomic and histologic study in dogs. Novaes AB Jr, et al. 1734
Root trunk concavities as a risk factor for regenerative procedures of Class II furcation lesions in dogs. Novaes AB Jr, et al. 612
ANIMAL STUDIES, GERM-FREE
The characteristic cellular organization and CEACAM1 expression in the junctional epithelium of rats and mice are genetically programmed and not influenced by the bacterial microflora. Heymann R, et al. 454
ANTIBIOTICS/adverse effects
Myospherulosis complicating cortical block grafting: A case report. Fisher SC, et al. 1755
ANTIBIOTICS/therapeutic use
The effect of postsurgical antibiotics on the healing of intrabony defects following treatment with enamel matrix proteins. Sculean A, et al. 190
Local versus systemic adjunctive antibiotic therapy in 28 patients with generalized aggressive periodontitis. Purucker P, et al. 1241

Index

ANTIBODIES
Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463
The effects of interleukin-10 depletion in vivo on the immune response to *Porphyromonas gingivalis* in a murine model. Herminajeng E, et al. 1527
Human fibroblasts ubiquitously express glutamic acid decarboxylase 65 (GAD 65): Possible effects of connective tissue inflammation on GAD antibody titer. Kono T, et al. 59
ANTIBODY RESPONSE
Papillon-Lefèvre syndrome: Serum immunoglobulin G (IgG) subclass antibody response to periodontopathic bacteria. A case report. Wara-aswapati N, et al. 1747
ANTIGENS, CD14
Soluble CD14 levels in gingival crevicular fluid of subjects with untreated adult periodontitis. Jin L, et al. 634
ANTIGENS, CD34
Immunohistochemical study of vestibular gingival blood vessel density and internal circumference in smokers and non-smokers. Mirbod SM, et al. 1318
ANTIOXIDANTS
Elevated hydroperoxide levels and antioxidant patterns in Papillon-Lefèvre syndrome. Battino M, et al. 1760
APOPTOSIS
Apoptosis in chronic adult periodontitis analyzed by *in situ* DNA breaks, electron microscopy, and immunohistochemistry. Gamonal J, et al. 517
Protease-active extracellular protein preparations from *Porphyromonas gingivalis* W83 induce N-cadherin proteolysis, loss of cell adhesion, and apoptosis in human epithelial cells. Chen Z, et al. 641
Short-chain carboxylic acids produced by Gram-negative anaerobic bacteria can accelerate or delay polymorphonuclear leukocyte apoptosis. Stehle HW, et al. 1059
ARTHRITIS, RHEUMATOID/complications
Relationship between rheumatoid arthritis and periodontitis. Mercado FB, et al. 779
ASIAN AMERICANS
Thickness of palatal masticatory mucosa associated with age. Wara-aswapati N, et al. 1407
ASPARTATE AMINOTRANSFERASE
Relationship between crevicular aspartate aminotransferase levels and periodontal disease progression. Oringer RJ, et al. 17
AVOCADO UNSAPONIFIABLES
Effect of avocado and soybean unsaponifiables on gelatinase A (MMP-2), stromelysin (MMP-3), and tissue inhibitors of matrix metallproteinase (TIMP-1 and TIMP-2) secretion by human fibroblasts in culture. Kut-Lasserre C, et al. 1685
AZITHROMYCIN/therapeutic use
Interaction between piroxicam and azithromycin during distribution to human periodontal tissues. Malizia T, et al. 1151

B

BACTEREMIA/prevention and control
Bacteremia due to periodontal probing: A clinical and microbiological investigation. Daly CG, et al. 210
BACTERIAL ADHESION
Adhesion of *Porphyromonas gingivalis* strains to cultured epithelial cells from patients with a history of chronic adult periodontitis or from patients less susceptible to periodontitis. Quirynen M, et al. 626
BACTEROIDES FORSYTHUS
Persistent presence of *Bacteroides forsythus* as a risk factor for attachment loss in a population with low prevalence and severity of adult periodontitis. Tran SD, et al. 1
BANA TEST
Relationship of sulcular sulfide level to severity of periodontal disease and BANA test. Morita M, et al. 74
BASEMENT MEMBRANE
The dento-epithelial junction: Cell adhesion by type I hemidesmosomes in the absence of a true basal lamina. Hormia M, et al. 788
BEHAVIOR THERAPY
Health behaviors and their relation to metabolic control and periodontal status in type 2 diabetic patients: A model tested using a linear structural relations program. Kawamura M, et al. 1246
BENZOCAINE/therapeutic use
Clinical evaluation and comparison of 2 topical anesthetics for pain caused by needle sticks and scaling and root planing. Carr MP, et al. 479
BESTATIN/therapeutic use
Effects of dipeptide bestatin on *Porphyromonas gingivalis* and epithelial cells. Labbe S, et al. 714
BIOFILMS
Dental unit waterline contamination and its possible implications during periodontal surgery. Putnins EE, et al. 393
Evaluation of ultrasonic scaling unit waterline contamination after use of chlorine dioxide mouthrinse lavage. Wirthlin MR, et al. 401

Index

BIOLOGICAL MARKERS
Effects of smoking and treatment status on periodontal bacteria: Evidence that smoking influences control of periodontal bacteria at the mucosal surface of the gingival crevice. Eggert F-M, et al. 1210
Leptin within healthy and diseased human gingiva. Johnson RB, et al. 1254
BISPHOSPHONATES
A combination of a chemically modified doxycycline and a bisphosphonate synergistically inhibits endotoxin-induced periodontal breakdown in rats. Llavaneras A, et al. 1069
BLACKS
The association between *Porphyromonas gingivalis*-specific maternal serum IgG and low birth weight. Dasanayake AP, et al. 1491
Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463
BLADDER NEOPLASMS
Metastatic transitional cell carcinoma of the urinary bladder presenting as a mandibular gingival swelling. de Courten A, et al. 688
BLADDER NEOPLASMS/diagnosis
Oral acanthosis nigricans as a marker of internal malignancy. A case report. Cairo F, et al. 1271
BONE AND BONES
Laser irradiation of bone: III. Long-term healing following treatment by CO_2 and Nd:YAG lasers. McDavid VG, et al. 174
BONE AND BONES/anatomy and histology
A bioengineered implant for a predetermined bone cellular response to loading forces. A literature review and case report. Misch CE, et al. 1276
Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125
Effects of erbium, chromium:YSGG laser irradiation on canine mandibular bone. Kimura Y, et al. 1178
Histological and clinical evaluation of 3 different grafting materials for sinus lifting procedure based on 8 cases. Karabuda C, et al. 1436
A multi-center study comparing dual acid-etched and machined surfaced implants in various bone qualities. Khang W, et al. 1384
BONE, DEMINERALIZED
A comparison of porous and non-porous Teflon membranes plus demineralized freeze-dried bone allograft in the treatment of Class II buccal/lingual furcation defects: A clinical re-entry study. Lamb JW Jr, et al. 1580
The osteoinductive potential of demineralized freeze-dried bone allograft in human non-orthotopic sites: A pilot study. Paul BF, et al. 1064
BONE, FREEZE-DRIED
A comparison of porous and non-porous Teflon membranes plus demineralized freeze-dried bone allograft in the treatment of Class II buccal/lingual furcation defects: A clinical re-entry study. Lamb JW Jr, et al. 1580
The osteoinductive potential of demineralized freeze-dried bone allograft in human non-orthotopic sites: A pilot study. Paul BF, et al. 1064
BONE LOSS/etiology
Cyclosporin-induced gingival overgrowth at the newly formed edentulous ridge in rats. A morphological and histometric evaluation. Fu E, et al. 889
Relationship between rheumatoid arthritis and periodontitis. Mercado FB, et al. 779
Retrospective evaluation of the influence of the interleukin-1 genotype on radiographic bone levels in treated periodontal patients over 10 years. Cattabriga M, et al. 767
BONE LOSS/therapy
The use of bovine porous bone mineral in combination with enamel matrix proteins or with an autologous fibrinogen/fibronectin system in the treatment of intrabony periodontal defects in humans. Lekovic V, et al. 1157
BONE MINERAL, BOVINE POROUS
Porous bovine bone mineral in healing of human extraction sockets: 2. Histochemical observations at 9 months. Artzi Z, et al. 152
The use of bovine porous bone mineral in combination with enamel matrix proteins or with an autologous fibrinogen/fibronectin system in the treatment of intrabony periodontal defects in humans. Lekovic V, et al. 1157
BONE REGENERATION
Bioabsorbable materials for guided bone regeneration prior to implant placement and 7-year follow-up: Report of 14 cases. Brunel G, et al. 257
Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125
Clinical comparison of microporous biocompatible composite of PMMA, PHEMA, and calcium hydroxide grafts and expanded polytetrafluoroethylene barrier membranes in human mandibular molar Class II furcations. A case series. Calongne KB, et al. 1451
A clinical evaluation of hydroxyapatite cement in the treatment of Class III furcation defects. Ruprecht RD, et al. 1443

Index

Histologic and radiographic evidence of vertical ridge augmentation utilizing distraction osteogenesis: 10 consecutively placed distractors. McAllister BS. 1767

Histopathological morphometric evaluation of 2 different hydroxyapatite bone derivatives in sinus augmentation procedures: A comparative study in humans. Artzi Z, et al. 911

Hyaluronan supports recombinant human bone morphogenetic protein-2 induced bone reconstruction of advanced alveolar ridge defects in dogs. A pilot study. Hunt DR, et al. 651

Implants in regenerated bone in a primate model. Fritz ME, et al. 703

In vitro comparison of bioabsorbable and nonresorbable membranes in bone regeneration. Marinucci L, et al. 753

Participation of periodontal ligament cells with regeneration of alveolar bone. Isaka J, et al. 314

Periodontal regeneration of a Class II furcation defect utilizing a bioabsorbable barrier in a human. A case study with histology. Stoller NH, et al. 238

Porous bovine bone mineral in healing of human extraction sockets: 2. Histochemical observations at 9 months. Artzi Z, et al. 152

The putative collagen binding peptide hastens periodontal ligament cell attachment to bone replacement graft materials. Lallier TE, et al. 990

Treatment of a human transosseous mandibular defect by guided bone regeneration. Barboza EP, et al. 538

The use of bovine porous bone mineral in combination with enamel matrix proteins or with an autologous fibrinogen/fibronectin system in the treatment of intrabony periodontal defects in humans. Lekovic V, et al. 1157

BONE REMODELING

A bioengineered implant for a predetermined bone cellular response to loading forces. A literature review and case report. Misch CE, et al. 1276

BONE RESORPTION

Effect of non-surgical periodontal therapy on C-telopeptide pyridinoline cross-links (ICTP) and interleukin-1 levels. Al-Shammari KF, et al. 1045

BONE RESORPTION/prevention and control

A combination of a chemically modified doxycycline and a bisphosphonate synergistically inhibits endotoxin-induced periodontal breakdown in rats. Llavaneras A, et al. 1069

BUTYRIC ACID

Short-chain carboxylic acids produced by Gram-negative anaerobic bacteria can accelerate or delay polymorphonuclear leukocyte apoptosis. Stehle HW, et al. 1059

C

CADHERINS

Protease-active extracellular protein preparations from *Porphyromonas gingivalis* W83 induce N-cadherin proteolysis, loss of cell adhesion, and apoptosis in human epithelial cells. Chen, Z, et al. 641

CALCIUM CHANNEL BLOCKERS/adverse effects

The influence of transforming growth factor-β_1 gene polymorphisms on the severity of gingival overgrowth associated with concomitant use of cyclosporin A and a calcium channel blocker. Linden GJ, et al. 808

CALCIUM ENTRY

Nitric oxide synthase activity in neutrophils from patients with localized aggressive periodontitis. Shibata K, et al. 1052

CALCIUM SULFATE/therapeutic use

Comparison of calcium sulfate and autogenous bone graft to bioabsorbable membranes plus autogenous bone graft treatment of intrabony periodontal defects: A split-mouth study. Orsini M, et al. 296

CAMPYLOBACTER RECTUS

Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463

CARDIOVASCULAR DISEASES/etiology

Periodontal infections contribute to elevated systemic C-reactive protein level. Noack B, et al. 1221

CEACAM1

The characteristic cellular organization and CEACAM1 expression in the junctional epithelium of rats and mice are genetically programmed and not influenced by the bacterial microflora. Heymann R, et al. 454

CELL ADHESION

Effect of diode laser irradiation on the attachment rate of periodontal ligament cells: An in vitro study. Kreisler M, et al. 1312

In vitro effect of transforming growth factor-β on adhesion molecule expression by human gingival fibroblasts cultured in the presence of a titanium abutment. Schierano G, et al. 1658

The putative collagen binding peptide hastens periodontal ligament cell attachment to bone replacement graft materials. Lallier TE, et al. 990

CELL ADHESION MOLECULES

Protease-active extracellular protein preparations from *Porphyromonas gingivalis* W83 induce N-cadherin proteolysis, loss of cell adhesion, and apoptosis in human epithelial cells. Chen Z, et al. 641

Index

CELL CULTURE
In vitro effect of transforming growth factor-β on adhesion molecule expression by human gingival fibroblasts cultured in the presence of a titanium abutment. Schierano G, et al. 1658
CELL DIFFERENTIATION
The effect of enamel matrix protein derivative on follicle cells in vitro. Hakki SS, et al. 679
CELL DIVISION
Characterization of proliferation and cellular wound fill in periodontal cells using an in vitro wound model. Oates TW, et al. 324
In vitro effect of transforming growth factor-β on adhesion molecule expression by human gingival fibroblasts cultured in the presence of a titanium abutment. Schierano G, et al. 1658
Thrombin-stimulated growth, clustering, and collagen lattice contraction of human gingival fibroblasts is associated with its protease activity. Chang M-C, et al. 303
CELLS, CD-LABELED
Macrophages and lymphocyte subpopulations in nifedipine- and cyclosporin A-associated human gingival overgrowth. Pernu HE, et al. 160
CELLS, EPITHELIAL
Mechanisms of *Actinobacillus actinoycetemcomitans* induced expression of interleukin-8 in gingival epithelial cells. Sfakianakis A, et al. 1413
CELLS, INFLAMMATORY
Is collagen breakdown during periodontitis linked to inflammatory cells and expression of matrix metalloproteinases and tissue inhibitors of metalloproteinases in human gingival tissue? Seguier S., et al. 1398
CETYLPYRIDINIUM CHLORIDE/therapeutic use
Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183
CHEMOTAXIS
Localized aggressive periodontitis in a patient with type 2 diabetes mellitus: A case report. Emingil G, et al. 1265
Nitric oxide synthase activity in neutrophils from patients with localized aggressive periodontitis. Shibata K, et al. 1052
CHLORHEXIDINE/therapeutic use
Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183
One-stage full-mouth disinfection. Long-term microbiological results analyzed by checkerboard DNA-DNA hybridization. De Soete M, et al. 374
CLINDAMYCIN/therapeutic use
A 2-step non-surgical procedure and systemic antibiotics in the treatment of rapidly progressive periodontitis. Sigusch B, et al. 275
CLINICAL PARAMETERS
Interleukin-1β and thiobarbituric acid reactive substance (TBARS) levels after phase I periodontal therapy in patients with chronic periodontitis. Tüter G, et al. 883
CLINICAL TRIALS
A comparative study utilizing open flap debridement with and without enamel matrix derivative in the treatment of periodontal intrabony defects: A 12-month re-entry study. Froum SJ, et al. 25
A multi-center study comparing dual acid-etched and machined surfaced implants in various bone qualities. Khang W, et al. 1384
CLINICAL TRIALS, CONTROLLED
Cigarette smoking negatively affects healing response following flap debridement surgery. Scabbia A, et al. 43
Clinical and radiological improvement of periodontal disease in patients with type 2 diabetes mellitus treated with alendronate: A randomized, placebo-controlled trial. Rocha M, et al. 204
The effect of postsurgical antibiotics on the healing of intrabony defects following treatment with enamel matrix proteins. Sculean A, et al. 190
Immediate implantation in fresh extraction sockets. A controlled clinical and histological study in man. Paolantonio M, et al. 1560
Intrapocket anesthesia for scaling and root planing: Results of a double-blind multi-center trial using lidocaine prilocaine dental gel. Jeffcoat MK, et al. 895
Management of soft tissue ridge deformities with acellular dermal matrix. Clinical approach and outcome after 6 months of treatment. Batista EL Jr, et al. 265
Periodontal treatment with an Er:YAG laser compared to scaling and root planing. A controlled clinical study. Schwarz F, et al. 361
Predictable multiple site root coverage using an acellular dermal matrix allograft. Henderson RD, et al. 571
The simplified papilla preservation flap in the regenerative treatment of deep intrabony defects: Clinical outcomes and postoperative morbidity. Cortellini P, et al. 1702
Treatment of intrabony defects with enamel matrix proteins or bioabsorbable membranes. A 4-year follow-up split-mouth study. Sculean A, et al. 1695
Treatment of periodontitis by local administration of minocycline microspheres: A controlled trial. Williams RC, et al. 1535
CLINICAL TRIALS, RANDOMIZED
Clinical and radiological improvement of periodontal disease in patients with type 2 diabetes melli-

Index

tus treated with alendronate: A randomized, placebo-controlled trial. Rocha M, et al. 204
Comparison of 2 clinical techniques for treatment of gingival recession. Wang H-L, et al. 1301
The effect of postsurgical antibiotics on the healing of intrabony defects following treatment with enamel matrix proteins. Sculean A, et al. 190
COENZYME Q
Elevated hydroperoxide levels and antioxidant patterns in Papillon-Lefèvre syndrome. Battino M, et al. 1760
COLLAGEN
Comparative clinical study of guided tissue regeneration with a bioabsorbable bilayer collagen membrane and subepithelial connective tissue graft. Romagna-Genon C. 1258
Is collagen breakdown during periodontitis linked to inflammatory cells and expression of matrix metalloproteinases and tissue inhibitors of metalloproteinases in human gingival tissue? Séguier S, et al. 1398
Phagocytosis of fibronectin and collagens type I, III, and V by human gingival and periodontal ligament fibroblasts in vitro. van der Pauw MT, et al. 1340
The putative collagen binding peptide hastens periodontal ligament cell attachment to bone replacement graft materials. Lallier TE, et al. 990
Thrombin-stimulated growth, clustering, and collagen lattice contraction of human gingival fibroblasts is associated with its protease activity. Chang M-C, et al. 303
COLLAGEN/metabolism
Nifedipine induces gingival overgrowth in rats through a reduction in collagen phagocytosis by gingival fibroblasts. Kataoka M, et al. 1078
COLLAGEN/therapeutic use
Bioabsorbable materials for guided bone regeneration prior to implant placement and 7-year follow-up: Report of 14 cases. Brunel G, et al. 257
Collagen membranes: A review. Bunyaratavej P, et al. 215
Comparison of 2 clinical techniques for treatment of gingival recession. Wang H-I, et al 1301
Hyaluronan supports recombinant human bone morphogenetic protein-2 induced bone reconstruction of advanced alveolar ridge defects in dogs. A pilot study. Hunt DR, et al. 651
In vitro comparison of bioabsorbable and nonresorbable membranes in bone regeneration. Marinucci L, et al. 753
Observations on a new collagen barrier membrane in 16 consecutively treated patients. Clinical and histological findings. Friedmann A, et al. 1616
Tetracycline modulates collagen membrane degradation in vitro. Moses O, et al. 1588
COLLAGENASE
Matrix metalloproteinases (MMP-8 and -9) and neutrophils elastase in gingival crevicular fluid of cyclosporin-treated patients. Atilla G, et al. 354
COLLAGENASE/analysis
A combination of a chemically modified doxycycline and a bisphosphonate synergistically inhibits endotoxin-induced periodontal breakdown in rats. Llavaneras A, et al. 1069
COMPARISON STUDIES
Alveolar bone resorption following coronal versus apical approach in a mucoperiosteal flap surgery procedure in the rat mandible. Binderman I, et al. 1348
The association between *Porphyromonas gingivalis*-specific maternal serum IgG and low birth weight. Dasanayake AP, et al. 1491
Clinical comparison of microporous biocompatible composite of PMMA, PHEMA, and calcium hydroxide grafts and expanded polytetrafluoroethylene barrier membranes in human mandibular molar Class II furcations. A case series. Calongne KB, et al. 1451
A clinical evaluation of hydroxyapatite cement in the treatment of Class III furcation defects. Rupprecht RD, et al. 1443
Combination use of bovine porous bone mineral, enamel matrix proteins, and a bioabsorbable membrane in intrabony periodontal defects in humans. Lekovic V, et al. 583
Comparative clinical study of guided tissue regeneration with a bioabsorbable bilayer collagen membrane and subepithelial connective tissue graft. Romagna-Genon C. 1258
Comparative 6-month clinical study of a subepithelial connective tissue graft and acellular dermal matrix graft for the treatment of gingival recession. Novaes AB Jr, et al. 1477
A comparative study utilizing open flap debridement with and without enamel matrix derivative in the treatment of periodontal intrabony defects: A 12-month re-entry study. Froum SJ, et al. 25
Comparison of calcium sulfate and autogenous bone graft to bioabsorbable membranes plus autogenous bone graft treatment of intrabony periodontal defects: A split-mouth study. Orsini M, et al. 296
A comparison of porous and non-porous Teflon membranes plus demineralized freeze-dried bone allograft in the treatment of Class II buccal/lingual furcation defects: A clinical re-entry study. Lamb JW Jr, et al. 1580
A comparison of the success of root resected

molars and molar position implants in function in a private practice: Results of up to 15-plus years. Fugazzotto PA. 1113
Comparison of 2 clinical techniques for treatment of gingival recession. Wang H-L, et al. 1301
Comparison of 2 techniques of subepithelial connective tissue graft in the treatment of gingival recession. Cordioli G, et al. 1470
Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183
The effect of membrane exposure on the outcome of regenerative procedures in humans: A meta-analysis. Machtei EE. 512
The effects of platelet-derived growth factor-BB on periodontal cells in an in vitro wound model. Mumford JH, et al. 331
Fluids and microbial penetration in the internal part of cement-retained versus screw-retained implant-abutment connections. Piattelli A, et al. 1146
Gliding capacity of different dental flosses. Dörfer CE, et al. 672
Histopathological morphometric evaluation of 2 different hydroxyapatite bone derivatives in sinus augmentation procedures: A comparative study in humans. Artzi Z, et al. 911
Immediate implantation in fresh extraction sockets. A controlled clinical and histological study in man. Paolantonio M, et al. 1560
In vitro comparison of bioabsorbable and non-resorbable membranes in bone regeneration. Marinucci L, et al. 753
The influence of partial and full-mouth recordings on estimates of prevalence and extent of lifetime cumulative attachment loss: A study in a population of young male military recruits. Eaton KA, et al. 140
Intra- and inter-examiner reproducibility in keratinized tissue width assessment with 3 methods for mucogingival junction determination. Guglielmoni P, et al. 134
Is collagen breakdown during periodontitis linked to inflammatory cells and expression of matrix metalloproteinases and tissue inhibitors of metalloproteinases in human gingival tissue? Séguier S, et al. 1398
A longitudinal clinical comparison of plaque-induced inflammation between gingival and peri-implant soft tissues in the maxilla. Toljanic JA, et al. 1139
Longitudinal comparison of the periodontal status of patients with moderate to severe periodontal disease receiving no treatment, non-surgical treatment, and surgical treatment utilizing individual sites for analysis. Harrel SK, et al. 1509
A multi-center study comparing dual acid-etched and machined surfaced implants in various bone qualities. Khang W, et al. 1384
Patient preference for light-cured composite bite splint compared to heat-cured acrylic bite splint. Leib AM. 1108
Performance of a commercial immunoassay for detection and differentiation of periodontal marker bacteria: Analysis of immunochemical performance with clinical samples. Eggert F-M, et al. 1201
Periodontal treatment with an Er:YAG laser compared to scaling and root planing. A controlled clinical study. Schwarz F, et al. 361
Preprosthetic periodontal surgery in the interproximal area with modification of the COL area. Anatomic and histologic study in dogs. Novaes AB Jr, et al. 1734
Smoking affects the subgingival microflora in periodontitis. van Winkelhoff AJ, et al. 666
Surgical therapy of peri-implant disease: A 3-year follow-up study of cases treated with 3 different techniques of bone regeneration. Khoury F, et al. 1498
A 2-step non-surgical procedure and systemic antibiotics in the treatment of rapidly progressive periodontitis. Sigusch B, et al. 275

COMPOSITE RESINS
Patient preference for light-cured composite bite splint compared to heat-cured acrylic bite splint. Leib AM. 1108

CONNECTIVE TISSUE
Human fibroblasts ubiquitously express glutamic acid decarboxylase 65 (GAD 65): Possible effects of connective tissue inflammation on GAD antibody titer. Kono T, et al. 59
Human gingival fibroblast cytoskeleton is a target for volatile smoke components. Rota MT, et al. 709
Participation of periodontal ligament cells with regeneration of alveolar bone. Isaka J, et al. 314

CORTICOSTEROIDS/therapeutic use
Esthetic management of multiple recession defects in a patient with cicatricial pemphigoid. Lorenzana ER, et al. 230

CROSSOVER STUDIES
Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183
Gliding capacity of different dental flosses. Dörfer CE, et al. 672

CROSS-SECTIONAL STUDIES
Periodontal changes in liver cirrhosis and post-transplantation patients. I: Clinical findings. Oettinger-Barak O, et al. 1236
Prevalence and risk of gingival enlargement in patients treated with nifedipine. Miranda J, et al. 605

Index

CROWNS
Surgical crown lengthening: A 12-month clinical wound healing study. Pontoriero R, et al. 841
CYCLOOXYGENASE
Cyclooxygenase-2 is upregulated in inflamed gingival tissue. Morton RS, et al. 461
CYCLOSPORIN A/adverse effects
Cyclosporin-induced gingival overgrowth at the newly formed edentulous ridge in rats. A morphological and histometric evaluation. Fu E, et al. 889
Does nifedipine aggravate cyclosporin-induced gingival overgrowth? An experiment in rats. Chiu H-C, et al. 532
The effect of an immunosuppressive therapy and its withdrawal on bone healing around titanium implants. A histometric study in rabbits. Duarte PM, et al. 1391
Effects of cyclosporin A on dental alveolar bone: A histomorphometric study in rats. Shen E-C, et al. 659
Evaluation of transforming growth factor-β_1 level in crevicular fluid of cyclosporin A-treated patients. Buduneli N, et al. 526
Human papillomavirus infection in cyclosporin-induced gingival overgrowth in renal allograft recipients. Bustos DA, et al. 741
The influence of transforming growth factor-β_1 gene polymorphisms on the severity of gingival overgrowth associated with concomitant use of cyclosporin A and a calcium channel blocker. Linden GJ, et al. 808
Macrophages and lymphocyte subpopulations in nifedipine- and cyclosporin A-associated human gingival overgrowth. Pernu HE, et al. 160
Matrix metalloproteinases (MMP-8 and -9) and neutrophils elastase in gingival crevicular fluid of cyclosporin-treated patients. Atilla G, et al. 354
Mitotic activity of keratinocytes in nifedipine- and immunosuppressive medication-induced gingival overgrowth. Nurmenniemi PK, et al. 167
Periodontal changes in liver cirrhosis and post-transplantation patients. I: Clinical findings. Oettinger-Barak O, et al. 1236
Upregulation of keratinocyte growth factor in cyclosporin A-induced gingival overgrowth. Das SJ, et al. 745
CYTOKINES
Expression of cytokines and inducible nitric oxide synthase in inflamed gingival tissue. Hirose M, et al. 590
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
Mechanisms of *Actinobacillus actinoycetemcomitans* induced expression of interleukin-8 in gingival epithelial cells. Sfakianakis A, et al. 1413

D

DENTAL ABUTMENTS, CEMENT-RETAINED
Fluids and microbial penetration in the internal part of cement-retained versus screw-retained implant-abutment connections. Piattelli A, et al. 1146
DENTAL ABUTMENTS, SCREW-RETAINED
Fluids and microbial penetration in the internal part of cement-retained versus screw-retained implant-abutment connections. Piattelli A, et al. 1146
DENTAL CARIES/prevention and control
Sucralfate: A help during oral management in patients with epidermolysis bullosa. Marini I, et al. 691
DENTAL CEMENTS
A clinical evaluation of hydroxyapatite cement in the treatment of Class III furcation defects. Ruprecht RD, et al. 1443
DENTAL CEMENTS/microbiology
Fluids and microbial penetration in the internal part of cement-retained versus screw-retained implant-abutment connections. Piattelli A, et al. 1146
DENTAL CEMENTUM/growth and development
Platelet-derived growth factor (PDGF) gene delivery for application in periodontal tissue engineering. Giannobile WV, et al. 815
DENTAL DEVICES, HOME CARE
Gliding capacity of different dental flosses. Dörfer CE, et al. 672
DENTAL ENAMEL/microbiology
The characteristic cellular organization and CEACAM1 expression in the junctional epithelium of rats and mice are genetically programmed and not influenced by the bacterial microflora. Heymann R, et al. 454
DENTAL EQUIPMENT
Dental unit waterline contamination and its possible implications during periodontal surgery. Putnins EE, et al. 393
Evaluation of ultrasonic scaling unit waterline contamination after use of chlorine dioxide mouthrinse lavage. Wirthlin MR, et al. 401
DENTAL FOLLICLE
The effect of enamel matrix protein derivative on follicle cells in vitro. Hakki SS, et al. 679
DENTAL IMPLANTATION, ENDOSSEOUS/methods
Immediate implantation in fresh extraction sockets. A controlled clinical and histological study in man. Paolantonio M, et al. 1560
DENTAL IMPLANTS
Bioabsorbable materials for guided bone regeneration prior to implant placement and 7-year follow-up: Report of 14 cases. Brunel G, et al. 257

Index

A bioengineered implant for a predetermined bone cellular response to loading forces. A literature review and case report. Misch CE, et al. 1276

A comparison of the success of root resected molars and molar position implants in function in a private practice: Results of up to 15-plus years. Fugazzotto PA. 1113

Detection of platelet-activating factor in gingival tissue surrounding failed dental implants. Bassi F, et al. 57

The effect of membrane exposure on the outcome of regenerative procedures in humans: A meta-analysis. Machtei EE. 512

Effects of pretreatment clinical parameters on bioactive glass implantation in intrabony periodontal defects. Park J-S, et al. 730

Histological and clinical evaluation of 3 different grafting materials for sinus lifting procedure based on 8 cases. Karabuda C, et al. 1436

Histopathological morphometric evaluation of 2 different hydroxyapatite bone derivatives in sinus augmentation procedures: A comparative study in humans. Artzi Z, et al. 911

Implants in regenerated bone in a primate model. Fritz ME, et al. 703

Myospherulosis complicating cortical block grafting: A case report. Fisher SC, et al. 1755

Osseointegrated implants in patients treated for generalized chronic periodontitis and generalized aggressive periodontitis: 3- and 5-year results of a prospective long-term study. Mengel R, et al. 977

Treatment of aggressive periodontitis by osseointegrated dental implants. A case report. Yalçin S, et al. 411

Two-stage versus one-stage - Is there really a controversy? (commentary) Garber DA, et al. 417

Will implants survive well in patients with a history of inflammatory periodontal disease? (commentary) Nevins M. 113

DENTAL IMPLANTS/adverse effects

The effect of an immunosuppressive therapy and its withdrawal on bone healing around titanium implants. A histometric study in rabbits. Duarte PM, et al. 1391

Interimplant papilla reconstruction: Assessment of soft tissue changes and results of 12 consecutive cases. Grossberg DE. 958

Internal contamination of a 2-component implant system after occlusal loading and provisionally luted reconstruction with or without a washer device. Rimondini L, et al. 1652

A longitudinal clinical comparison of plaque-induced inflammation between gingival and peri- implant soft tissues in the maxilla. Toljanic JA, et al. 1139

Surgical therapy of peri-implant disease: A 3-year follow-up study of cases treated with 3 different techniques of bone regeneration. Khoury F, et al. 1498

DENTAL IMPLANTS/anatomy and physiology

Influence of the size of the microgap on crestal bone changes around titanium implants. A histometric evaluation of unloaded non-submerged implants in the canine mandible. Hermann JS, et al. 1372

A multi-center study comparing dual acid-etched and machined surfaced implants in various bone qualities. Khang W, et al. 1384

DENTAL IMPLANTS/microbiology

Fluids and microbial penetration in the internal part of cement-retained versus screw-retained implant-abutment connections. Piattelli A, et al. 1146

Internal contamination of a 2-component implant system after occlusal loading and provisionally luted reconstruction with or without a washer device. Rimondini L, et al. 1652

DENTAL IMPLANTS, ENDOSSEOUS/methods

Influence of the size of the microgap on crestal bone changes around titanium implants. A histometric evaluation of unloaded non-submerged implants in the canine mandible. Hermann JS, et al. 1372

DENTAL IMPLANTS, FAILURE

Detection of platelet-activating factor in gingival tissue surrounding failed dental implants. Bassi F, et al. 57

Myospherulosis complicating cortical block grafting: A case report. Fisher SC, et al. 1755

Will implants survive well in patients with a history of inflammatory periodontal disease? (commentary) Nevins M. 113

DENTAL IMPLANTS, FAILURE/therapy

A possible "rescue" procedure for dental implants with a textured surface geometry: A case report. Deporter DA, et al. 1420

DENTAL IMPLANTS, IMMEDIATE LOADING

Peri-implant bone reactions to immediately loaded implants. An experimental study in monkeys. Romanos G, et al. 506

DENTAL IMPLANTS, SINGLE-TOOTH

Clinical and radiographic evaluation of the papilla level adjacent to single-tooth dental implants. A retrospective study in the maxillary anterior region. Choquet V, et al. 1364

DENTAL MATERIALS

Effects of pretreatment clinical parameters on bioactive glass implantation in intrabony periodontal defects. Park J-S, et al. 730

DENTAL MODELS

Systemic neutrophil response resulting from dental plaque accumulation. Kowolik MJ, et al. 146

Index

DENTAL OCCLUSION
The effect of occlusal discrepancies on periodontitis. I. Relationship of initial occlusal discrepancies to initial clinical parameters. Nunn ME, et al. 485
The effect of occlusal discrepancies on periodontitis. II. Relationship of treatment to the progression of periodontal disease. Harrel SK, et al. 495
DENTAL PAPILLA
Coronally advanced flap procedure: Is the interdental papilla a prognostic factor for root coverage? Saletta S, et al. 760
DENTAL PAPILLA/anatomy and physiology
Clinical and radiographic evaluation of the papilla level adjacent to single-tooth dental implants. A retrospective study in the maxillary anterior region. Choquet V, et al. 1364
DENTAL PAPILLA/surgery
Interimplant papilla reconstruction: Assessment of soft tissue changes and results of 12 consecutive cases. Grossberg DE. 958
DENTAL PLAQUE/adverse effects
A longitudinal clinical comparison of plaque-induced inflammation between gingival and peri-implant soft tissues in the maxilla. Toljanic JA, et al. 1139
Systemic neutrophil response resulting from dental plaque accumulation. Kowolik MJ, et al. 146
Treatment of plaque-induced gingivitis, chronic periodontitis, and other clinical conditions (position paper). American Academy of Periodontology. 1790
DENTAL PLAQUE/diagnosis
Performance of a commercial immunoassay for detection and differentiation of periodontal marker bacteria: Analysis of immunichemical performance with clinical samples. Eggert F-M, et al. 1201
DENTAL PLAQUE/etiology
Evaluation of the dentogingival area during early plaque formation. Weidlich P, et al. 901
DENTAL PLAQUE/microbiology
Internal contamination of a 2-component implant system after occlusal loading and provisionally luted reconstruction with or without a washer device. Rimondini L, et al. 1652
DENTAL PLAQUE/prevention and control
Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183
Evaluation of the dentogingival area during early plaque formation. Weidlich P, et al. 901
Gliding capacity of different dental flosses. Dörfer CE, et al. 672
One-stage full-mouth disinfection. Long-term microbiological results analyzed by checkerboard DNA-DNA hybridization. De Soete M, et al. 374
DENTAL PLAQUE INDEX
A longitudinal clinical comparison of plaque-induced inflammation between gingival and peri-implant soft tissues in the maxilla. Toljanic JA, et al. 1139
DENTAL PROSTHESIS DESIGN
Surgical crown lengthening: A 12-month clinical wound healing study. Pontoriero R, et al. 841
DENTAL RESTORATION, PERMANENT
Failure of resin ionomers in the retention of multirooted teeth with Class III furcation involvement: A rebuttal case report. Fowler EB, et al. 1084
Surgical crown lengthening: A 12-month clinical wound healing study. Pontoriero R, et al. 841
DENTIN SENSITIVITY/therapy
Efficacy of a 3% potassium nitrate desensitizing mouthwash in the treatment of dentinal hypersensitivity. Pereira R, et al. 1720
DIABETES MELLITUS/complications
Clinical and radiological improvement of periodontal disease in patients with type 2 diabetes mellitus treated with alendronate: A randomized, placebo-controlled trial. Rocha M, et al. 204
DIABETES MELLITUS/diagnosis
Human fibroblasts ubiquitously express glutamic acid decarboxylase 65 (GAD 65): Possible effects of connective tissue inflammation on GAD antibody titer. Kono T, et al. 59
DIABETES MELLITUS, INSULIN-DEPENDENT
Periodontal disease in pregnancy complicated by type 1 diabetes mellitus. Guthmiller JM, et al. 1485
DIABETES MELLITUS, NON-INSULIN DEPENDENT
Health behaviors and their relation to metabolic control and periodontal status in type 2 diabetic patients: A model tested using a linear structural relations program. Kawamura M, et al. 1246
Localized aggressive periodontitis in a patient with type 2 diabetes mellitus: A case report. Emingil G, et al. 1265
DIABETES MELLITUS, NON-INSULIN DEPENDENT/prevention and control
The effect of antimicrobial periodontal treatment on circulating tumor necrosis factor-alpha and glycated hemoglobin level in patients with type 2 diabetes. Iwamoto Y, et al. 774
DIET THERAPY
Health behaviors and their relation to metabolic control and periodontal status in type 2 diabetic patients: A model tested using a linear structural relations program. Kawamura M, et al. 1246

Index

DIPHOSPHONATES/therapeutic use
Clinical and radiological improvement of periodontal disease in patients with type 2 diabetes mellitus treated with alendronate: A randomized, placebo-controlled trial. Rocha M, et al. 204
DISEASE MODELS, ANIMAL
The effects of interleukin-10 depletion in vivo on the immune response to *Porphyromonas gingivalis* in a murine model. Herminajeng E, et al. 1527
DISEASE PROGRESSION
Effect of non-surgical periodontal therapy on C-telopeptide pyridinoline cross-links (ICTP) and interleukin-1 levels. Al-Shammari KF, et al. 1045
The effect of occlusal discrepancies on periodontitis. II. Relationship of treatment to the progression of periodontal disease. Harrel SK, et al. 495
Leptin within healthy and diseased human gingiva. Johnson RB, et al. 1254
Longitudinal comparison of the periodontal status of patients with moderate to severe periodontal disease receiving no treatment, non-surgical treatment, and surgical treatment utilizing individual sites for analysis. Harrel SK, et al. 1509
Relationship between crevicular aspartate aminotransferase levels and periodontal disease progression. Oringer RJ, et al. 17
DISEASE SUSCEPTIBILITY
Adhesion of *Porphyromonas gingivalis* strains to cultured epithelial cells from patients with a history of chronic adult periodontitis or from patients less susceptible to periodontitis. Quirynen M, et al. 626
Retrospective evaluation of the influence of the interleukin-1 genotype on radiographic bone levels in treated periodontal patients over 10 years. Cattabriga M, et al. 767
DISINFECTION/drug effects
One-stage full-mouth disinfection. Long-term microbiological results analyzed by checkerboard DNA-DNA hybridization. De Soete M, et al. 374
DISINFECTION/methods
One-stage full-mouth disinfection. Long-term microbiological results analyzed by checkerboard DNA-DNA hybridization. De Soete M, et al. 374
DNA FINGERPRINTING
Molecular analysis of *Peptostreptococcus micros* isolates from patients with periodontitis. Alpha CX, et al. 877
DOSE-RESPONSE RELATIONSHIP
An "S-shaped" relationship between smoking duration and alveolar bone loss: Generating a hypothesis. Schuller AA, et al. 1164
DOUBLE-BLIND METHOD
Clinical and radiological improvement of periodontal disease in patients with type 2 diabetes mellitus treated with alendronate: A randomized, placebo-controlled trial. Rocha M, et al. 204
Clinical evaluation and comparison of 2 topical anesthetics for pain caused by needle sticks and scaling and root planing. Carr MP, et al. 479
Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183
The effect of postsurgical antibiotics on the healing of intrabony defects following treatment with enamel matrix proteins. Sculean A, et al. 190
Intrapocket anesthesia for scaling and root planing: Results of a double-blind multi-center trial using lidocaine prilocaine dental gel. Jeffcoat MK, et al. 895
DOWN SYNDROME
Relationship of periodontopathic bacteria with early-onset periodontitis in Down syndrome. Amano A, et al. 368
DOXYCYCLINE/therapeutic use
A 2-step non-surgical procedure and systemic antibiotics in the treatment of rapidly progressive periodontitis. Sigusch B, et al. 275
DRUG ADMINISTRATION SCHEDULES
Interaction between piroxicam and azithromycin during distribution to human periodontal tissues. Malizia T, et al. 1151
DRUG DISTRIBUTION
Interaction between piroxicam and azithromycin during distribution to human periodontal tissues. Malizia T, et al. 1151
DRUG INTERACTIONS
Interaction between piroxicam and azithromycin during distribution to human periodontal tissues. Malizia T, et al. 1151

E

EDUCATION, DENTAL, CONTINUING
Practice management: Observations, issues, and empirical evidence. Wong HMY, et al. 196
EIKENELLA CORRODENS
Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463
ELASTASE
Matrix metalloproteinases (MMP-8 and -9) and neutrophils elastase in gingival crevicular fluid of cyclosporin-treated patients. Atilla G, et al. 354
Tobacco smoking and neutrophil activity in patients with periodontal disease. Persson L, et al. 90

Index

ELASTASE/analysis
A combination of a chemically modified doxycycline and a bisphosphonate synergistically inhibits endotoxin-induced periodontal breakdown in rats. Llavaneras A, et al. 1069
ENAMEL MATRIX DERIVATIVE
The use of bovine porous bone mineral in combination with enamel matrix proteins or with an autologous fibrinogen/fibronectin system in the treatment of intrabony periodontal defects in humans. Lekovic V, et al. 1157
ENDOCARDITIS, BACTERIAL/prevention and control
Bacteremia due to periodontal probing: A clinical and microbiological investigation. Daly CG, et al. 210
ENDOTOXINS/adverse effects
A combination of a chemically modified doxycycline and a bisphosphonate synergistically inhibits endotoxin-induced periodontal breakdown in rats. Llavaneras A, et al. 1069
EPIDERMOLYSIS BULLOSA
Epidermolysis bullosa acquisita: Clinical manifestations, microscopic findings, and surgical periodontal therapy. A case report. Hakki SS, et al. 550
Sucralfate: A help during oral management in patients with epidermolysis bullosa. Marini I, et al. 691
EPITHELIAL ATTACHMENT
The characteristic cellular organization and CEACAM1 expression in the junctional epithelium of rats and mice are genetically programmed and not influenced by the bacterial microflora. Heymann R, et al. 454
The dento-epithelial junction: Cell adhesion by type I hemidesmosomes in the absence of a true basal lamina. Hormia M, et al. 788
Keratinocyte growth factor expression in human gingival fibroblasts and stimulation of in vitro gene expression by retinoic acid. Mackenzie IC, et al. 445
EPITHELIAL ATTACHMENT/anatomy and histology
Histology of connective tissue graft. A case report. Majzoub Z, et al. 1607
EPITHELIUM
Adhesion of *Porphyromonas gingivalis* strains to cultured epithelial cells from patients with a history of chronic adult periodontitis or from patients less susceptible to periodontitis. Quirynen M, et al. 626
The characteristic cellular organization and CEACAM1 expression in the junctional epithelium of rats and mice are genetically programmed and not influenced by the bacterial microflora. Heymann R, et al. 454
Keratinocyte growth factor expression in human gingival fibroblasts and stimulation of in vitro gene expression by retinoic acid. Mackenzie IC, et al. 445
EPITHELIUM/anatomy and histology
The dento-epithelial junction: Cell adhesion by type I hemidesmosomes in the absence of a true basal lamina. Hormia M, et al. 788
ERRATUM. 570
Yukna RA, et al. (2000;71:1671). Corrected in the electronic (online) version.
ERYTHEMA MULTIFORMA/complications
Erythema multiforma secondary to herpes simplex infection: A case report. Ayangco L, et al. 953
ESTHETICS, DENTAL
Comparative 6-month clinical study of a subepithelial connective tissue graft and acellular dermal matrix graft for the treatment of gingival recession. Novaes AB Jr, et al. 1477
Excision and repair of the peripheral ossifying fibroma: A report of 3 cases. Walters JD, et al. 939
Interimplant papilla reconstruction: Assessment of soft tissue changes and results of 12 consecutive cases. Grossberg DE. 958
Management of soft tissue ridge deformities with acellular dermal matrix. Clinical approach and outcome after 6 months of treatment. Batista EL Jr, et al. 265
Subperiosteal connective tissue grafts for pocket reduction and preservation of gingival esthetics: A case report. Nelson SW. 1092

F

FANCONI'S ANEMIA
Aggressive periodontitis associated with Fanconi's anemia. A case report. Nowzari H, et al. 1601
FATIGUE
Health behaviors and their relation to metabolic control and periodontal status in type 2 diabetic patients: A model tested using a linear structural relations program. Kawamura M, et al. 1246
FIBRINOGEN/therapeutic use
The use of bovine porous bone mineral in combination with enamel matrix proteins or with an autologous fibrinogen/fibronectin system in the treatment of intrabony periodontal defects in humans. Lekovic V, et al. 1157
FIBROBLASTS
Effect of avocado and soybean unsaponifiables on gelatinase A (MMP-2), stromelysin (MMP-3), and tissue inhibitors of matrix metallproteinase (TIMP-1 and TIMP-2) secretion by human fibroblasts in culture. Kut-Lasserre C, et al. 1685

Index

Flow cytometry analysis of guided tissue regeneration-associated human periodontal cells. Kuru L, et al. 1016

Human gingival fibroblast cytoskeleton is a target for volatile smoke components. Rota MT, et al. 709

The putative collagen binding peptide hastens periodontal ligament cell attachment to bone replacement graft materials. Lallier TE, et al. 990

Regulation of cytokine production in human gingival fibroblasts following treatment with nicotine and lipopolysaccharide. Wendell KJ, et al. 1038

Upregulation of keratinocyte growth factor in cyclosporin A-induced gingival overgrowth. Das SJ, et al. 745

FIBROBLASTS/physiology

Gingival, dermal, and periodontal ligament fibroblasts express different extracellular matrix receptors. Palaiologou AA, et al. 798

FIBROBLASTS, GINGIVAL

Effect of nicotine on fibroblast β_1 integrin expression and distribution in vitro. Austin GW, et al. 438

Interleukin-1β regulation of adhesion molecules on human gingival and periodontal ligament fibroblasts. Joe BH, et al. 865

In vitro effect of transforming growth factor-β on adhesion molecule expression by human gingival fibroblasts cultured in the presence of a titanium abutment. Schierano G, et al. 1658

Keratinocyte growth factor expression in human gingival fibroblasts and stimulation of in vitro gene expression by retinoic acid. Mackenzie IC, et al. 445

Transforming growth factor-β1 autocrine stimulation regulates fibroblast proliferation in hereditary gingival fibromatosis. de Andrade CR, et al. 1726

FIBROBLASTS, GINGIVAL/physiology

Characterization of proliferation and cellular wound fill in periodontal cells using an in vitro wound model. Oates TW, et al. 324

Phagocytosis of fibronectin and collagens type I, III, and V by human gingival and periodontal ligament fibroblasts in vitro. van der Pauw MT, et al. 1340

Thrombin-stimulated growth, clustering, and collagen lattice contraction of human gingival fibroblasts is associated with its protease activity. Chang M-C, et al. 303

FIBROBLASTS, PERIODONTAL

Enamel matrix derivative induces matrix synthesis by cultured human periodontal fibroblast cells. Haase HR, et al. 341

Interleukin-1β regulation of adhesion molecules on human gingival and periodontal ligament fibroblasts. Joe BH, et al. 865

FIBROMA, OSSIFYING/surgery

Excision and repair of the peripheral ossifying fibroma: A report of 3 cases. Walters JD, et al. 939

FIBROMATOSIS, GINGIVAL

Transforming growth factor-β1 autocrine stimulation regulates fibroblast proliferation in hereditary gingival fibromatosis. de Andrade CR, et al. 1726

FIBRONECTINS/therapeutic use

The use of bovine porous bone mineral in combination with enamel matrix proteins or with an autologous fibrinogen/fibronectin system in the treatment of intrabony periodontal defects in humans. Lekovic V, et al. 1157

FLOW CYTOMETRY/utilization

Flow cytometry analysis of guided tissue regeneration-associated human periodontal cells. Kuru L, et al. 1016

FLUID DYNAMICS

Fluid dynamics of gingival tissues in transition from physiological condition to inflammation. Del Fabbro M, et al. 65

FLUORIDES, TOPICAL/therapeutic use

Efficacy of a 3% potassium nitrate desensitizing mouthwash in the treatment of dentinal hypersensitivity. Pereira R, et al. 1720

FOLLOW-UP STUDIES

The association between *Porphyromonas gingivalis*-specific maternal serum IgG and low birth weight. Dasanayake AP, et al. 1491

Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463

A bioengineered implant for a predetermined bone cellular response to loading forces. A literature review and case report. Misch CE, et al. 1276

Cigarette smoking negatively affects healing response following flap debridement surgery. Scabbia A, et al. 43

Clinical and radiological improvement of periodontal disease in patients with type 2 diabetes mellitus treated with alendronate: A randomized, placebo-controlled trial. Rocha M, et al. 204

Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125

Combined mechanical and antibiotic periodontal therapy in a case of Papillon-Lefèvre syndrome. Eickholz P, et al. 542

Comparative 6-month clinical study of a subep-

Index

ithelial connective tissue graft and acellular dermal matrix graft for the treatment of gingival recession. Novaes AB Jr, et al. 1477

A comparative study utilizing open flap debridement with and without enamel matrix derivative in the treatment of periodontal intrabony defects: A 12-month re-entry study. Froum SJ, et al. 25

A comparison of porous and non-porous Teflon membranes plus demineralized freeze-dried bone allograft in the treatment of Class II buccal/lingual furcation defects: A clinical re-entry study. Lamb JW Jr, et al. 1580

A comparison of the success of root resected molars and molar position implants in function in a private practice: Results of up to 15-plus years. Fugazzotto PA. 1113

Comparison of 2 clinical techniques for treatment of gingival recession. Wang H-l, et al 1301

Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183

The effect of hyaluronan on bone and soft tissue and immune response in wound healing. Engstrom P-E, et al. 1192

The effect of occlusal discrepancies on periodontitis. I. Relationship of initial occlusal discrepancies to initial clinical parameters. Nunn ME, et al. 485

The effect of occlusal discrepancies on periodontitis. II. Relationship of treatment to the progression of periodontal disease. Harrel SK, et al. 495

Effect of repeated local minocycline administration on periodontal healing following guided tissue regeneration. Yoshinari N, et al. 284

Effects of pretreatment clinical parameters on bioactive glass implantation in intrabony periodontal defects. Park J-S, et al. 730

Excision and repair of the peripheral ossifying fibroma: A report of 3 cases. Walters JD, et al. 939

Failure of resin ionomers in the retention of multirooted teeth with Class III furcation involvement: A rebuttal case report. Fowler EB, et al. 1084

Guided bone regeneration for dehiscence and fenestration defects on implants using an absorbable polymer barrier. Rosen PS, et al. 250

Histological and clinical evaluation of 3 different grafting materials for sinus lifting procedure based on 8 cases. Karabuda C, et al. 1436

Histopathological morphometric evaluation of 2 different hydroxyapatite bone derivatives in sinus augmentation procedures: A comparative study in humans. Artzi Z, et al. 911

The influence of partial and full-mouth recordings on estimates of prevalence and extent of lifetime cumulative attachment loss: A study in a population of young male military recruits. Eaton KA, et al. 140

Influence of the size of the microgap on crestal bone changes around titanium implants. A histometric evaluation of unloaded non-submerged implants in the canine mandible. Hermann JS, et al. 1372

Laser irradiation of bone: III. Long-term healing following treatment by CO_2 and Nd:YAG lasers. McDavid VG, et al. 174

Longitudinal comparison of the periodontal status of patients with moderate to severe periodontal disease receiving no treatment, non-surgical treatment, and surgical treatment utilizing individual sites for analysis. Harrel SK, et al. 1509

A longitudinal study comparing scaling, osseous surgery, and modified Widman procedures: Results after 5 years. Becker W, et al. 1675

A multi-center study comparing dual acid-etched and machined surfaced implants in various bone qualities. Khang W, et al. 1384

Myospherulosis complicating cortical block grafting: A case report. Fisher SC, et al. 1755

The natural history of periodontal disease in man. Risk factors for progression of attachment loss in individuals receiving no oral health care. Neely AL, et al. 1006

One-stage full-mouth disinfection. Long-term microbiological results analyzed by checkerboard DNA-DNA hybridization. De Soete M, et al. 374

Osseointegrated implants in patients treated for generalized chronic periodontitis and generalized aggressive periodontitis: 3- and 5-year results of a prospective long-term study. Mengel R, et al. 977

Periodontal regeneration of a Class II furcation defect utilizing a bioabsorbable barrier in a human. A case study with histology. Stoller NH, et al. 238

Periodontal treatment with an Er:YAG laser compared to scaling and root planing. A controlled clinical study. Schwarz F, et al. 361

Persistent presence of *Bacteroides forsythus* as a risk factor for attachment loss in a population with low prevalence and severity of adult periodontitis. Tran SD, et al. 1

Radiographic defect depth and width for prognosis and description of periodontal healing of infrabony defects. Klein F, et al. 1639

Retrospective evaluation of the influence of the interleukin-1 genotype on radiographic bone levels in treated periodontal patients over 10 years. Cattabriga M, et al. 767

Subperiosteal and intraosseous connective tissue

grafts for pocket reduction: A 9- to 13-year retrospective case series report. Nelson SW. 1424
Subperiosteal connective tissue grafts for pocket reduction and preservation of gingival esthetics: A case report. Nelson SW. 1092
Successful periodontal maintenance of a case with Papillon-Lefèvre syndrome: 12-year follow-up and review of the literature. Wiebe CB, et al. 824
Surgical crown lengthening: A 12-month clinical wound healing study. Pontoriero R, et al. 841
Surgical therapy of peri-implant disease: A 3-year follow-up study of cases treated with 3 different techniques of bone regeneration. Khoury F, et al. 1498
A 2-step non-surgical procedure and systemic antibiotics in the treatment of rapidly progressive periodontitis. Sigusch B, et al. 275
FREE RADICALS
Interleukin-1β and thiobarbituric acid reactive substance (TBARS) levels after phase I periodontal therapy in patients with chronic periodontitis. Tüter G, et al. 883
FURCATION/etiology
Failure of resin ionomers in the retention of multirooted teeth with Class III furcation involvement: A rebuttal case report. Fowler EB, et al. 1084
FURCATION/surgery
Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125
A comparison of porous and non-porous Teflon membranes plus demineralized freeze-dried bone allograft in the treatment of Class II buccal/lingual furcation defects: A clinical re-entry study. Lamb JW Jr, et al. 1580
A comparison of the success of root resected molars and molar position implants in function in a private practice: Results of up to 15-plus years. Fugazzotto PA. 1113
The effect of membrane exposure on the outcome of regenerative procedures in humans: A meta-analysis. Machtei EE. 512
Effects of furcation involvement on periodontal status and healing in adjacent proximal sites. Ehnevid H, et al. 871
Failure of resin ionomers in the retention of multirooted teeth with Class III furcation involvement: A rebuttal case report. Fowler EB, et al. 1084
FURCATION/therapy
Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125
Clinical comparison of microporous biocompatible composite of PMMA, PHEMA, and calcium hydroxide grafts and expanded polytetrafluoroethylene barrier membranes in human mandibular molar Class II furcations. A case series. Calongne KB, et al. 1451
A clinical evaluation of hydroxyapatite cement in the treatment of Class III furcation defects. Ruprecht RD, et al. 1443
A comparison of the success of root resected molars and molar position implants in function in a private practice: Results of up to 15-plus years. Fugazzotto PA. 1113
Failure of resin ionomers in the retention of multirooted teeth with Class III furcation involvement: A rebuttal case report. Fowler EB, et al. 1084
Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. I. Class II furcations. Eickholz P, et al. 35
FUSOBACTERIUM NUCLEATUM
Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463

G

GELATINASE
Matrix metalloproteinases (MMP-8 and -9) and neutrophils elastase in gingival crevicular fluid of cyclosporin-treated patients. Atilla G, et al. 354
GELATINASE/analysis
A combination of a chemically modified doxycycline and a bisphosphonate synergistically inhibits endotoxin-induced periodontal breakdown in rats. Llavaneras A, et al. 1069
GENE THERAPY
Platelet-derived growth factor (PDGF) gene delivery for application in periodontal tissue engineering. Giannobile WV, et al. 815
GENES
Analysis of single nucleotide polymorphisms in the 5′-flanking region of tumor necrosis factor-alpha gene in Japanese patients with early-onset periodontitis. Endo M, et al. 1554
GENES, ACE
Interactions of lymphotoxin α (TNF-β), angiotensin-converting enzyme (ACE), and endothelin-1 (ET-1) gene polymorphisms in adult periodontitis. Hollá LI, et al. 85
GENES, ET-1
Interactions of lymphotoxin α (TNF-β), angiotensin-converting enzyme (ACE), and endothelin-1 (ET-1) gene polymorphisms in adult periodontitis. Hollá LI, et al. 85

Index

GENES, TNF
Interactions of lymphotoxin α (TNF-β), angiotensin-converting enzyme (ACE), and endothelin-1 (ET-1) gene polymorphisms in adult periodontitis. Hollá LI, et al. 85
GENETIC PROGRAMMING
The characteristic cellular organization and CEACAM1 expression in the junctional epithelium of rats and mice are genetically programmed and not influenced by the bacterial microflora. Heymann R, et al. 454
GENOTYPE
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
Relationship of periodontopathic bacteria with early-onset periodontitis in Down syndrome. Amano A, et al. 368
GINGIVA
Keratinocyte growth factor expression in human gingival fibroblasts and stimulation of in vitro gene expression by retinoic acid. Mackenzie IC, et al. 445
GINGIVA/analysis
Levels of leukotriene B_4 in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1025
Levels of platelet-activating factor in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1032
GINGIVA/anatomy and histology
Comparison of 2 techniques of subepithelial connective tissue graft in the treatment of gingival recession. Cordioli G, et al. 1470
Coronally advanced flap procedure: Is the interdental papilla a prognostic factor for root coverage? Saletta S, et al. 760
Intra- and inter-examiner reproducibility in keratinized tissue width assessment with 3 methods for mucogingival junction determination. Guglielmoni P, et al. 134
Mechanisms of *Actinobacillus actinoycetemcomitans* induced expression of interleukin-8 in gingival epithelial cells. Sfakianakis A, et al. 1413
Thrombin-stimulated growth, clustering, and collagen lattice contraction of human gingival fibroblasts is associated with its protease activity. Chang M-C, et al. 303
GINGIVA/physiology
Immunohistochemical study of vestibular gingival blood vessel density and internal circumference in smokers and non-smokers. Mirbod SM, et al. 1318
Phagocytosis of fibronectin and collagens type I, III, and V by human gingival and periodontal ligament fibroblasts in vitro. van der Pauw MT, et al. 1340
GINGIVA/physiopathology
Leptin within healthy and diseased human gingiva. Johnson RB, et al. 1254
GINGIVA/surgery
Comparison of 2 techniques of subepithelial connective tissue graft in the treatment of gingival recession. Cordioli G, et al. 1470
Surgical crown lengthening: A 12-month clinical wound healing study. Pontoriero R, et al. 841
GINGIVAL CREVICULAR FLUID
Fluid dynamics of gingival tissues in transition from physiological condition to inflammation. Del Fabbro M, et al. 65
GINGIVAL CREVICULAR FLUID/analysis
Effect of non-surgical periodontal therapy on C-telopeptide pyridinoline cross-links (ICTP) and interleukin-1 levels. Al-Shammari KF, et al. 1045
Evaluation of the dentogingival area during early plaque formation. Weidlich P, et al. 901
Evaluation of transforming growth factor-β_1 level in crevicular fluid of cyclosporin A-treated patients. Buduneli N, et al. 526
Levels of leukotriene B_4 in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1025
Levels of platelet-activating factor in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1032
Matrix metalloproteinases (MMP-8 and -9) and neutrophils elastase in gingival crevicular fluid of cyclosporin-treated patients. Atilla G, et al. 354
Relationship between crevicular aspartate aminotransferase levels and periodontal disease progression. Oringer RJ, et al. 17
Relationship of sulcular sulfide level to severity of periodontal disease and BANA test. Morita M, et al. 74
Soluble CD14 levels in gingival crevicular fluid of subjects with untreated adult periodontitis. Jin L, et al. 634
Tobacco smoking and neutrophil activity in patients with periodontal disease. Persson L, et al. 90
GINGIVAL CREVICULAR FLUID/virology
Detection of hepatitis C virus RNA from gingival crevicular fluid and its relation to virus presence in saliva. Maticic M, et al. 11
GINGIVAL DISEASES/pathogenesis
Interleukin-1β regulation of adhesion molecules on human gingival and periodontal ligament fibroblasts. Joe BH, et al. 865
GINGIVAL HYPERPLASIA
Gingival overgrowth as the initial paraneoplastic manifestation of Hodgkin's lymphoma in a child. A case report. Nicolatou-Galitis O, et al. 107
GINGIVAL HYPERPLASIA/diagnosis
Gingival plasma cell granuloma. Peacock ME, et al. 1287

Index

GINGIVAL HYPERPLASIA/epidemiology
Prevalence and risk of gingival enlargement in patients treated with nifedipine. Miranda J, et al. 605
GINGIVAL HYPERPLASIA/etiology
Connective tissue growth factor in drug-induced gingival overgrowth. Uzel MI, et al. 921
Cyclosporin-induced gingival overgrowth at the newly formed edentulous ridge in rats. A morphological and histometric evaluation. Fu E, et al. 889
Does nifedipine aggravate cyclosporin-induced gingival overgrowth? An experiment in rats. Chiu H-C, et al. 532
Evaluation of transforming growth factor-β_1 level in crevicular fluid of cyclosporin A-treated patients. Buduneli N, et al. 526
Human papillomavirus infection in cyclosporin-induced gingival overgrowth in renal allograft recipients. Bustos DA, et al. 741
The influence of transforming growth factor-β_1 gene polymorphisms on the severity of gingival overgrowth associated with concomitant use of cyclosporin A and a calcium channel blocker. Linden GJ, et al. 808
Nifedipine induces gingival overgrowth in rats through a reduction in collagen phagocytosis by gingival fibroblasts. Kataoka M, et al. 1078
Periodontal changes in liver cirrhosis and post-transplantation patients. I: Clinical findings. Oettinger-Barak O, et al. 1236
Upregulation of keratinocyte growth factor in cyclosporin A-induced gingival overgrowth. Das SJ, et al. 745
GINGIVAL HYPERPLASIA/pathogenesis
Macrophages and lymphocyte subpopulations in nifedipine- and cyclosporin A-associated human gingival overgrowth. Pernu HE, et al. 160
Matrix metalloproteinases (MMP-8 and -9) and neutrophils elastase in gingival crevicular fluid of cyclosporin-treated patients. Atilla G, et al. 354
Mitotic activity of keratinocytes in nifedipine- and immunosuppressive medication-induced gingival overgrowth. Nurmenniemi PK, et al. 167
GINGIVAL INDEX
Identification and consequences of distinct Löe-Silness gingival index examiner styles for the clinical assessment of gingivitis. McClanahan SF, et al. 383
A longitudinal clinical comparison of plaque-induced inflammation between gingival and peri-implant soft tissues in the maxilla. Toljanic JA, et al. 1139
Periodontal treatment with an Er:YAG laser compared to scaling and root planing. A controlled clinical study. Schwarz F, et al. 361
GINGIVAL NEOPLASMS
Metastatic transitional cell carcinoma of the urinary bladder presenting as a mandibular gingival swelling. de Courten A, et al. 688
GINGIVAL NEOPLASMS/diagnosis
Gingival plasma cell granuloma. Peacock ME, et al. 1287
Oral focal mucinosis of the gingiva: Case report. Iezzi G, et al. 1100
GINGIVAL RECESSION/surgery
Clinical evaluation of acellular allograft dermis for the treatment of human gingival recession. Aichelmann-Reidy ME, etal. 998
Comparative clinical study of guided tissue regeneration with a bioabsorbable bilayer collagen membrane and subepithelial connective tissue graft. Romagna-Genon C. 1258
Comparative 6-month clinical study of a subepithelial connective tissue graft and acellular dermal matrix graft for the treatment of gingival recession. Novaes AB Jr, et al. 1477
Comparison of 2 techniques of subepithelial connective tissue graft in the treatment of gingival recession. Cordioli G, et al. 1470
Coronally advanced flap procedure: Is the interdental papilla a prognostic factor for root coverage? Saletta S, et al. 760
Histological evaluation of healing and revascularization of the subepithelial connective tissue graft. Guiha R, et al. 470
Histology of connective tissue graft. A case report. Majzoub Z, et al. 1607
Root coverage and pocket reduction as combined surgical procedures. Hirsch A, et al. 1572
Root coverage of a palatal recession defect: A case report. Harris RJ. 1103
Subperiosteal connective tissue grafts for pocket reduction and preservation of gingival esthetics: A case report. Nelson SW. 1092
GINGIVAL RECESSION/therapy
Clinical evaluation of acellular allograft dermis for the treatment of human gingival recession. Aichelmann-Reidy ME, et al. 998
Comparative clinical study of guided tissue regeneration with a bioabsorbable bilayer collagen membrane and subepithelial connective tissue graft. Romagna-Genon C. 1258
Effects of pretreatment clinical parameters on bioactive glass implantation in intrabony periodontal defects. Park J-S, et al. 730
GINGIVITIS
Relationship of sulcular sulfide level to severity of periodontal disease and BANA test. Morita M, et al. 74
GINGIVITIS/diagnosis
Fluid dynamics of gingival tissues in transition from physiological condition to inflammation. Del Fabbro M, et al. 65

Index

Identification and consequences of distinct Löe-Silness gingival index examiner styles for the clinical assessment of gingivitis. McClanahan SF, et al. 383

GINGIVITIS/microbiology

Bacteremia due to periodontal probing: A clinical and microbiological investigation. Daly CG, et al. 210

GINGIVITIS/prevention and control

Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183

GINGIVITIS/therapy

Treatment of plaque-induced gingivitis, chronic periodontitis, and other clinical conditions (position paper). American Academy of Periodontology. 1790

GINGIVITIS, DESQUAMATIVE

Esthetic management of multiple recession defects in a patient with cicatricial pemphigoid. Lorenzana ER, et al. 230

Immunopathological diagnosis of cicatricial pemphigoid with desquamative gingivitis. A case report. Kurihara M, et al. 243

GLASS, BIOLOGICALLY ACTIVE

Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125

Effects of pretreatment clinical parameters on bioactive glass implantation in intrabony periodontal defects. Park J-S, et al. 730

GLUTAMIC ACID DECARBOXYLASE 65

Human fibroblasts ubiquitously express glutamic acid decarboxylase 65 (GAD 65): Possible effects of connective tissue inflammation on GAD antibody titer. Kono T, et al. 598

GLUTATHIONE

Elevated hydroperoxide levels and antioxidant patterns in Papillon-Lefèvre syndrome. Battino M, et al. 1760

GRAFTS, BONE

Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125

Clinical comparison of microporous biocompatible composite of PMMA, PHEMA, and calcium hydroxide grafts and expanded polytetrafluoroethylene barrier membranes in human mandibular molar Class II furcations. A case series. Calongne KB, et al. 1451

Combination use of bovine porous bone mineral, enamel matrix proteins, and a bioabsorbable membrane in intrabony periodontal defcets in humans. Lekovic V, et al. 583

Comparison of calcium sulfate and autogenous bone graft to bioabsorbable membranes plus autogenous bone graft treatment of intrabony periodontal defects: A split-mouth study. Orsini M, et al. 296

A comparison of porous and non-porous Teflon membranes plus demineralized freeze-dried bone allograft in the treatment of Class II buccal/lingual furcation defects: A clinical re-entry study. Lamb JW Jr, et al. 1580

Guided bone regeneration for dehiscence and fenestration defects on implants using an absorbable polymer barrier. Rosen PS, et al. 250

Histological and clinical evaluation of 3 different grafting materials for sinus lifting procedure based on 8 cases. Karabuda C, et al. 1436

The osteoinductive potential of demineralized freeze-dried bone allograft in human non-orthotopic sites: A pilot study. Paul BF, et al. 1064

A possible "rescue" procedure for dental implants with a textured surface geometry: A case report. Deporter DA, et al. 1420

The putative collagen binding peptide hastens periodontal ligamnet cell attachment to bone replacement graft materials. Lallier TE, et al. 990

Surgical therapy of peri-implant disease: A 3-year follow-up study of cases treated with 3 different techniques of bone regeneration. Khoury F, et al. 1498

Tissue banking of bone allografts used in periodontal regeneration (position paper). American Academy of Periodontology. 834

GRAFTS, CONNECTIVE TISSUE

Clinical evaluation of acellular allograft dermis for the treatment of human gingival recession. Aichelmann-Reidy ME, et al. 998

Clinical evaluation of 3 techniques to augment keratinized tissue without root coverage. Harris RJ. 932

Comparative clinical study of guided tissue regeneration with a bioabsorbable bilayer collagen membrane and subepithelial connective tissue graft. Romagna-Genon C. 1258

Comparative 6-month clinical study of a subepithelial connective tissue graft and acellular dermal matrix graft for the treatment of gingival recession. Novaes AB Jr, et al. 1477

Comparison of 2 clinical techniques for treatment of gingival recession. Wang H-L, et al. 1301

Comparison of 2 techniques of subepithelial connective tissue graft in the treatment of gingival recession. Cordioli G, et al. 1470

Esthetic management of multiple recession defects in a patient with cicatricial pemphigoid. Lorenzana ER, et al. 230

Excision and repair of the peripheral ossifying

Index

fibroma: A report of 3 cases. Walters JD, et al. 939
Histological evaluation of healing and revascularization of the subepithelial connective tissue graft. Guiha R, et al. 470
Histology of connective tissue graft. A case report. Majzoub Z, et al. 1607
Management of soft tissue ridge deformities with acellular dermal matrix. Clinical approach and outcome after 6 months of treatment. Batista EL Jr, et al. 265
Root coverage and pocket reduction as combined surgical procedures. Hirsch A, et al. 1572
Subperiosteal and intraosseous connective tissue grafts for pocket reduction: A 9- to 13-year retrospective case series report. Nelson SW. 1424
Subperiosteal connective tissue grafts for pocket reduction and preservation of gingival esthetics: A case report. Nelson SW. 1092

GRAFTS, CORTICAL BLOCK
Myospherulosis complicating cortical block grafting: A case report. Fisher SC, et al. 1755

GRAFTS, GINGIVAL
Clinical evaluation of 3 techniques to augment keratinized tissue without root coverage. Harris RJ. 932
Management of soft tissue ridge deformities with acellular dermal matrix. Clinical approach and outcome after 6 months of treatment. Batista EL Jr, et al. 265
Root coverage of a palatal recession defect: A case report. Harris RJ. 1103

GRAFTS, SOFT TISSUE
Management of soft tissue ridge deformities with acellular dermal matrix. Clinical approach and outcome after 6 months of treatment. Batista EL Jr, et al. 265
Predictable multiple site root coverage using an acellular dermal matrix allograft. Henderson RD, et al. 571
Root coverage of a palatal recession defect: A case report. Harris RJ. 1103

GRAFTS, SUBEPITHELIAL
Comparative clinical study of guided tissue regeneration with a bioabsorbable bilayer collagen membrane and subepithelial connective tissue graft. Romagna-Genon C. 1258
Comparative 6-month clinical study of a subepithelial connective tissue graft and acellular dermal matrix graft for the treatment of gingival recession. Novaes AB Jr, et al. 1477
Comparison of 2 techniques of subepithelial connective tissue graft in the treatment of gingival recession. Cordioli G, et al. 1470
Histology of connective tissue graft. A case report. Majzoub Z, et al. 1607
Root coverage and pocket reduction as combined surgical procedures. Hirsch A, et al. 1572

GRANULOCYTE COLONY-STIMULATING FACTOR
Clinical periodontal findings and microflora profiles in children with chronic neutropenia under supervised oral hygiene. Okada M, et al. 945

GRANULOMA, PLASMA CELL
Gingival plasma cell granuloma. Peacock ME, et al. 1287

GROWTH FACTORS, CONNECTIVE TISSUE
Connective tissue growth factor in drug-induced gingival overgrowth. Uzel MI, et al. 921

GROWTH FACTORS, ENDOTHELIAL
Leptin within healthy and diseased human gingiva. Johnson RB, et al. 1254

GROWTH FACTORS, FIBROBLAST
Keratinocyte growth factor expression in human gingival fibroblasts and stimulation of in vitro gene expression by retinoic acid. Mackenzie IC, et al. 445

GROWTH FACTORS, KERATINOCYTE
Keratinocyte growth factor expression in human gingival fibroblasts and stimulation of in vitro gene expression by retinoic acid. Mackenzie IC, et al. 445
Upregulation of keratinocyte growth factor in cyclosporin A-induced gingival overgrowth. Das SJ, et al. 745

GROWTH FACTORS, PLATELET-DERIVED
The effects of platelet-derived growth factor-BB on periodontal cells in an in vitro wound model. Mumford JH, et al. 331
Platelet-derived growth factor (PDGF) gene delivery for application in periodontal tissue engineering. Giannobile WV, et al. 815

GROWTH FACTORS, TRANSFORMING
Connective tissue growth factor in drug-induced gingival overgrowth. Uzel MI, et al. 921
Evaluation of transforming growth factor-β_1 level in crevicular fluid of cyclosporin A-treated patients. Buduneli N, et al. 526
In vitro comparison of bioabsorbable and nonresorbable membranes in bone regeneration. Marinucci L, et al. 753
In vitro effect of transforming growth factor-β on adhesion molecule expression by human gingival fibroblasts cultured in the presence of a titanium abutment. Schierano G, et al. 1658
The influence of transforming growth factor-β_1 gene polymorphisms on the severity of gingival overgrowth associated with concomitant use of cyclosporin A and a calcium channel blocker. Linden GJ, et al. 808
Transforming growth factor-β1 autocrine stimulation regulates fibroblast proliferation in hereditary gingival fibromatosis. de Andrade CR, et al. 1726

Index

GUIDED BONE REGENERATION
Collagen membranes: A review. Bunyaratavej P, et al. 215
Combination use of bovine porous bone mineral, enamel matrix proteins, and a bioabsorbable membrane in intrabony periodontal defcets in humans. Lekovic V, et al. 583
The effect of membrane exposure on the outcome of regenerative procedures in humans: A meta-analysis. Machtei EE. 512
Guided bone regeneration for dehiscence and fenestration defects on implants using an absorbable polymer barrier. Rosen PS, et al. 250
Observations on a new collagen barrier membrane in 16 consecutively treated patients. Clinical and histological findings. Friedmann A, et al. 1616
The osteoinductive potential of demineralized freeze-dried bone allograft in human non-orthotopic sites: A pilot study. Paul BF, et al. 1064
Surgical therapy of peri-implant disease: A 3-year follow-up study of cases treated with 3 different techniques of bone regeneration. Khoury F, et al. 1498
Treatment of a human transosseous mandibular defect by guided bone regeneration. Barboza EP, et al. 538
GUIDED TISSUE REGENERATION
Collagen membranes: A review. Bunyaratavej P, et al. 215
Comparative clinical study of guided tissue regeneration with a bioabsorbable bilayer collagen membrane and subepithelial connective tissue graft. Romagna-Genon C. 1258
Comparison of calcium sulfate and autogenous bone graft to bioabsorbable membranes plus autogenous bone graft treatment of intrabony periodontal defects: A split-mouth study. Orsini M, et al. 296
Comparison of 2 clinical techniques for treatment of gingival recession. Wang H-L, et al. 1301
The effect of membrane exposure on the outcome of regenerative procedures in humans: A meta-analysis. Machtei EE. 512
Effect of repeated local minocycline administration on periodontal healing following guided tissue regeneration. Yoshinari N, et al. 284
Flow cytometry analysis of guided tissue regeneration-associated human periodontal cells. Kuru L, et al. 1016
Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. I. Class II furcations. Eickholz P, et al. 35
Periodontal regeneration of a Class II furcation defect utilizing a bioabsorbable barrier in a human. A case study with histology. Stoller NH, et al. 238
Radiographic defect depth and width for prognosis and description of periodontal healing of infrabony defects. Klein, F, et al. 1639
Root trunk concavities as a risk factor for regenerative procedures of Class II furcation lesions in dogs. Novaes AB Jr, et al. 612
The simplified papilla preservation flap in the regenerative treatment of deep intrabony defects: Clinical outcomes and postoperative morbidity. Cortellini P, et al. 1702
Treatment of a human transosseous mandibular defect by guided bone regeneration. Barboza EP, et al. 538
Treatment of intrabony defects with enamel matrix proteins or bioabsorbable membranes. A 4-year follow-up split-mouth study. Sculean A, et al. 1695

H

HALITOSIS/microbiology
Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183
HALITOSIS/prevention and control
Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183
HEALTH BEHAVIOR
Health behaviors and their relation to metabolic control and periodontal status in type 2 diabetic patients: A model tested using a linear structural relations program. Kawamura M, et al. 1246
HEAT EFFECTS
Effects of erbium, chromium:YSGG laser irradiation on canine mandibular bone. Kimura Y, et al. 1178
HEMIDESMOSOMES
The dento-epithelial junction: Cell adhesion by type I hemidesmosomes in the absence of a true basal lamina. Hormia M, et al. 788
HEPATITIS C-LIKE VIRUSES
Detection of hepatitis C virus RNA from gingival crevicular fluid and its relation to virus presence in saliva. Matičič M, et al. 11
HERPES LABIALIS/complications
Erythema multiforma secondary to herpes simplex infection: A case report. Ayangco L, et al. 953
HERPES LABIALIS/therapy
Erythema multiforma secondary to herpes simplex infection: A case report. Ayangco L, et al. 953
HERPES SIMPLEX VIRUS
Aggressive periodontitis associated with Fanconi's anemia. A case report. Nowzari H, et al. 1601
HERPES SIMPLEX VIRUS/complications
Erythema multiforma secondary to herpes simplex infection: A case report. Ayangco L, et al. 953

Index

HLA-II GENOTYPE
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
HODGKIN'S LYMPHOMA
Gingival overgrowth as the initial paraneoplastic manifestation of Hodgkin's lymphoma in a child. A case report. Nicolatou-Galitis O, et al. 107
HUMAN CYTOMEGALOVIRUS
Aggressive periodontitis associated with Fanconi's anemia. A case report. Nowzari H, et al. 1601
HUMAN PAPILLOMA VIRUS
Human papillomavirus infection in cyclosporin-induced gingival overgrowth in renal allograft recipients. Bustos DA, et al. 741
HYALURONAN/therapeutic use
The effect of hyaluronan on bone and soft tissue and immune response in wound healing. Engström P-E, et al. 1192
Hyaluronan supports recombinant human bone morphogenetic protein-2 induced bone reconstruction of advanced alveolar ridge defects in dogs. A pilot study. Hunt DR, et al. 651
HYALURONIC ACID/therapeutic use
In vitro comparison of bioabsorbable and non-resorbable membranes in bone regeneration. Marinucci L, et al. 753
HYDROXYAPATITE/therapeutic use
Bioabsorbable materials for guided bone regeneration prior to implant placement and 7-year follow-up: Report of 14 cases. Brunel G, et al. 257
A clinical evaluation of hydroxyapatite cement in the treatment of Class III furcation defects. Ruprecht RD, et al. 1443
Histological and clinical evaluation of 3 different grafting materials for sinus lifting procedure based on 8 cases. Karabuda C, et al. 1436
Histopathological morphometric evaluation of 2 different hydroxyapatite bone derivatives in sinus augmentation procedures: A comparative study in humans. Artzi Z, et al. 911
HYPERKERATOSIS/pathogenesis
Elevated hydroperoxide levels and antioxidant patterns in Papillon-Lefèvre syndrome. Battino M, et al. 1760

I

IgG
The association between *Porphyromonas gingivalis*-specific maternal serum IgG and low birth weight. Dasanayake AP, et al. 1491
The Fcγ receptor genotype as a severity factor for chronic periodontitis in Japanese patients. Kobayashi T, et al. 1324
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
Papillon-Lefèvre syndrome: Serum immunoglobulin G (IgG) subclass antibody response to periodontopathic bacteria. A case report. Waraaswapati N, et al. 1747
IgG2
Non-redundant roles for interleukin-1α and interleukin-1β in regulating human IgG2. Ishihara T, et al. 1332
IFN-GAMMA
The effects of interleukin-10 depletion in vivo on the immune response to *Porphyromonas gingivalis* in a murine model. Herminajeng E, et al. 1527
IMMUNE RESPONSE
The effect of hyaluronan on bone and soft tissue and immune response in wound healing. Engström P-E, et al. 1192
The effects of interleukin-10 depletion in vivo on the immune response to *Porphyromonas gingivalis* in a murine model. Herminajeng E, et al. 1527
Macrophages and lymphocyte subpopulations in nifedipine- and cyclosporin A-associated human gingival overgrowth. Pernu HE, et al. 160
Some effects of non-surgical therapy on gingival inflammatory cell subsets in patients with early-onset periodontitis associated with *Actinobacillus actinomycetemcomitans*. Kleinfelder J, et al. 1713
IMMUNITY, CELLULAR
Some effects of non-surgical therapy on gingival inflammatory cell subsets in patients with early-onset periodontitis associated with *Actinobacillus actinomycetemcomitans*. Kleinfelder J, et al. 1713
IMMUNOASSAY
Effects of smoking and treatment status on periodontal bacteria: Evidence that smoking influences control of periodontal bacteria at the mucosal surface of the gingival crevice. Eggert F-M, et al. 1210
IMMUNOASSAY, ENZYME
Performance of a commercial immunoassay for detection and differentiation of periodontal marker bacteria: Analysis of immunichemical performance with clinical samples. Eggert F-M, et al. 1201
IMMUNOFLUORESCENCE ASSAY, INDIRECT
A sensitive method for detecting *Porphyromonas gingivalis* by polymerase chain reaction and its possible clinical application. Nozaki T, et al. 1228

Index

IMMUNOGLOBULINS
The Fcγ receptor genotype as a severity factor for chronic periodontitis in Japanese patients. Kobayashi T, et al. 1324
IMMUNOSUPPRESSION
Periodontal changes in liver cirrhosis and post-transplantation patients. I: Clinical findings. Oettinger-Barak O, et al. 1236
INFANT LOW BIRTH WEIGHT
The association between *Porphyromonas gingivalis*-specific maternal serum IgG and low birth weight. Dasanayake AP, et al. 1491
INFECTION
Dental unit waterline contamination and its possible implications during periodontal surgery. Putnins EE, et al. 393
Evaluation of ultrasonic scaling unit waterline contamination after use of chlorine dioxide mouthrinse lavage. Wirthlin MR, et al. 401
INFECTION CONTROL/drug therapy
Interaction between piroxicam and azithromycin during distribution to human periodontal tissues. Malizia T, et al. 1151
INFECTION CONTROL, DENTAL
Effect of repeated local minocycline administration on periodontal healing following guided tissue regeneration. Yoshinari N, et al. 284
INFECTION CONTROL, DENTAL/drug effects
One-stage full-mouth disinfection. Long-term microbiological results analyzed by checkerboard DNA-DNA hybridization. De Soete M, et al. 374
INFLAMMATION
Apoptosis in chronic adult periodontitis analyzed by *in situ* DNA breaks, electron microscopy, and immunohistochemistry. Gamonal J, et al. 517
Cyclooxygenase-2 is upregulated in inflamed gingival tissue. Morton RS, et al. 461
INFLAMMATORY MEDIATORS
Levels of leukotriene B_4 in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1025
Levels of platelet-activating factor in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1032
Regulation of cytokine production in human gingival fibroblasts following treatment with nicotine and lipopolysaccharide. Wendell KJ, et al. 1038
INFLAMMATORY RESPONSE
Evaluation of the dentogingival area during early plaque formation. Weidlich P, et al. 901
Human fibroblasts ubiquitously express glutamic acid decarboxylase 65 (GAD 65): Possible effects of connective tissue inflammation on GAD antibody titer. Kono T, et al. 598
Levels of leukotriene B_4 in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1025
Levels of platelet-activating factor in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1032
Mechanisms of *Actinobacillus actinoycetemcomitans* induced expression of interleukin-8 in gingival epithelial cells. Sfakianakis A, et al. 1413
Systemic neutrophil response resulting from dental plaque accumulation. Kowolik MJ, et al. 146
Thrombin-stimulated growth, clustering, and collagen lattice contraction of human gingival fibroblasts is associated with its protease activity. Chang M-C, et al. 303
INSULIN RESISTANCE
The effect of antimicrobial periodontal treatment on circulating tumor necrosis factor-alpha and glycated hemoglobin level in patients with type 2 diabetes. Iwamoto Y, et al. 774
INTEGRIN BETA-1 SUBUNIT
Effect of nicotine on fibroblast β_1 integrin expression and distribution in vitro. Austin GW, et al. 438
INTEGRINS
Attachment of human periodontal ligament cells to enamel matrix-derived protein mediated via interaction between BSP-like molecules and integrin $\alpha v\beta 3$. Suzuki N, et al. 1520
INTERCELLULAR ADHESION MOLECULE-1
Polymorphonuclear neutrophils and their mediators in gingival tissues from generalized aggressive periodontitis. Liu RK, et al. 1545
INTERFERON
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
INTERLEUKIN-1
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
Interleukin-1β regulation of adhesion molecules on human gingival and periodontal ligament fibroblasts. Joe BH, et al. 865
Polymorphonuclear neutrophils and their mediators in gingival tissues from generalized aggressive periodontitis. Liu RK, et al. 1545
INTERLEUKIN-1/adverse effects
Effect of non-surgical periodontal therapy on C-telopeptide pyridinoline cross-links (ICTP) and interleukin-1 levels. Al-Shammari KF, et al. 1045
Interleukin-1β and thiobarbituric acid reactive substance (TBARS) levels after phase I periodontal therapy in patients with chronic periodontitis. Tüter G, et al. 883

INTERLEUKIN-1
Non-redundant roles for interleukin-1α and interleukin-1β in regulating human IgG2. Ishihara T, et al. 1332
INTERLEUKIN-2
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
Retrospective evaluation of the influence of the interleukin-1 genotype on radiographic bone levels in treated periodontal patients over 10 years. Cattabriga M, et al. 767
INTERLEUKIN-6
Leptin within healthy and diseased human gingiva. Johnson RB, et al. 1254
Regulation of cytokine production in human gingival fibroblasts following treatment with nicotine and lipopolysaccharide. Wendell KJ, et al. 1038
INTERLEUKIN-8
Mechanisms of *Actinobacillus actinoycetemcomitans* induced expression of interleukin-8 in gingival epithelial cells. Sfakianakis A, et al. 1413
Polymorphonuclear neutrophils and their mediators in gingival tissues from generalized aggressive periodontitis. Liu RK, et al. 1545
Regulation of cytokine production in human gingival fibroblasts following treatment with nicotine and lipopolysaccharide. Wendell KJ, et al. 1038
INTERLEUKIN-10
The effects of interleukin-10 depletion in vivo on the immune response to *Porphyromonas gingivalis* in a murine model. Herminajeng E, et al. 1527
INTRABONY DEFECTS
A comparative study utilizing open flap debridement with and without enamel matrix derivative in the treatment of periodontal intrabony defects: A 12-month re-entry study. Froum SJ, et al. 25
IRRADIATION EFFECTS
Effects of erbium, chromium:YSGG laser irradiation on canine mandibular bone. Kimura Y, et al. 1178

J

JAPANESE
Analysis of single nucleotide polymorphisms in the 5′-flanking region of tumor necrosis factor-alpha gene in Japanese patients with early-onset periodontitis. Endo M, et al. 1554
The Fcγ receptor genotype as a severity factor for chronic periodontitis in Japanese patients. Kobayashi T, et al. 1324
JAW, EDENTULOUS, PARTIALLY
Osseointegrated implants in patients treated for generalized chronic periodontitis and generalized aggressive periodontitis: 3- and 5-year results of a prospective long-term study. Mengel R, et al. 977
JAW NEOPLASMS
Metastatic transitional cell carcinoma of the urinary bladder presenting as a mandibular gingival swelling. de Courten A, et al. 688
JOURNAL OF PERIODONTOLOGY
Instructions to authors. 118
Journal announces new section: Journal watch. Genco RJ, et al. 839
Journal Watch. 839, 1137, 1461

K

KERATINIZED TISSUE
Clinical evaluation of 3 techniques to augment keratinized tissue without root coverage. Harris RJ. 932
KERATINOCYTES
Mitotic activity of keratinocytes in nifedipine- and immunosuppressive medication-induced gingival overgrowth. Nurmenniemi PK, et al. 167
KIDNEY TRANSPLANTATION/complications
Evaluation of transforming growth factor-β_1 level in crevicular fluid of cyclosporin A-treated patients. Buduneli N, et al. 526
Human papillomavirus infection in cyclosporin-induced gingival overgrowth in renal allograft recipients. Bustos DA, et al. 741
Matrix metalloproteinases (MMP-8 and -9) and neutrophils elastase in gingival crevicular fluid of cyclosporin-treated patients. Atilla G, et al. 354

L

LACTIC ACID
Short-chain carboxylic acids produced by Gram-negative anaerobic bacteria can accelerate or delay polymorphonuclear leukocyte apoptosis. Stehle HW, et al. 1059
LACTOFERRIN
Tobacco smoking and neutrophil activity in patients with periodontal disease. Persson L, et al. 90
LAMININ
The dento-epithelial junction: Cell adhesion by type I hemidesmosomes in the absence of a true basal lamina. Hormia M, et al. 788
LASERS
Effects of erbium, chromium:YSGG laser irradiation on canine mandibular bone. Kimura Y, et al. 1178
LASERS/adverse effects
Laser irradiation of bone: III. Long-term healing following treatment by CO_2 and Nd:YAG lasers. McDavid VG, et al. 174

Index

LASERS/therapeutic use
Effect of diode laser irradiation on the attachment rate of periodontal ligament cells: An in vitro study. Kreisler M, et al. 1312
Periodontal treatment with an Er:YAG laser compared to scaling and root planing. A controlled clinical study. Schwarz F, et al. 361
LEPTIN
Leptin within healthy and diseased human gingiva. Johnson RB, et al. 1254
LETTERS TO THE EDITOR 422, 1291
LEUKOCYTES
Systemic neutrophil response resulting from dental plaque accumulation. Kowolik MJ, et al. 146
LEUKOTRIENE B_4
Levels of leukotriene B_4 in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1025
LIDOCAINE
Intrapocket anesthesia for scaling and root planing: Results of a double-blind multi-center trial using lidocaine prilocaine dental gel. Jeffcoat MK, et al. 895
LIDOCAINE/therapeutic use
Clinical evaluation and comparison of 2 topical anesthetics for pain caused by needle sticks and scaling and root planing. Carr MP, et al. 479
LIPOPOLYSACCHARIDES
The effects of interleukin-10 depletion in vivo on the immune response to *Porphyromonas gingivalis* in a murine model. Herminajeng E, et al. 1527
Mechanisms of *Actinobacillus actinoycetemcomitans* induced expression of interleukin-8 in gingival epithelial cells. Sfakianakis A, et al. 1413
Regulation of cytokine production in human gingival fibroblasts following treatment with nicotine and lipopolysaccharide. Wendell KJ, et al. 1038
LIPIDS
Levels of leukotriene B_4 in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1025
LITERATURE, DENTAL
Journal announces new section: Journal watch. Genco RJ, et al. 839
Journal Watch. 839, 1137, 1461
LIVER CIRRHOSIS
Periodontal changes in liver cirrhosis and post-transplantation patients. I: Clinical findings. Oettinger-Barak O, et al. 1236
LIVER TRANSPLANTATION
Periodontal changes in liver cirrhosis and post-transplantation patients. I: Clinical findings. Oettinger-Barak O, et al. 1236
LUNG DISEASES, OBSTRUCTIVE
Potential associations between chronic respiratory disease and periodontal disease: Analysis of National Health and Nutrition Examination Survey III. Scannapieco FA, et al. 50
LUNG NEOPLASMS/diagnosis
Oral acanthosis nigricans as a marker of internal malignancy. A case report. Cairo F, et al. 1271
LYMPHADENOPATHY, CERVICAL
Gingival overgrowth as the initial paraneoplastic manifestation of Hodgkin's lymphoma in a child. A case report. Nicolatou-Galitis O, et al. 107
LYMPHOCYTES
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
Macrophages and lymphocyte subpopulations in nifedipine- and cyclosporin A-associated human gingival overgrowth. Pernu HE, et al. 160

M

MACROPHAGES
Macrophages and lymphocyte subpopulations in nifedipine- and cyclosporin A-associated human gingival overgrowth. Pernu HE, et al. 160
MALOCCLUSION
The effect of occlusal discrepancies on periodontitis. I. Relationship of initial occlusal discrepancies to initial clinical parameters. Nunn ME, et al. 485
The effect of occlusal discrepancies on periodontitis. II. Relationship of treatment to the progression of periodontal disease. Harrel SK, et al. 495
MARKERS, BIOLOGICAL
Human fibroblasts ubiquitously express glutamic acid decarboxylase 65 (GAD 65): Possible effects of connective tissue inflammation on GAD antibody titer. Kono T, et al. 598
MATRIX, ACELLULAR DERMAL
Clinical evaluation of 3 techniques to augment keratinized tissue without root coverage. Harris RJ. 932
Comparative 6-month clinical study of a subepithelial connective tissue graft and acellular dermal matrix graft for the treatment of gingival recession. Novaes AB Jr, et al. 1477
Management of soft tissue ridge deformities with acellular dermal matrix. Clinical approach and outcome after 6 months of treatment. Batista EL Jr, et al. 265
MATRIX, EXTRACELLULAR
The expression of plasminogen activator system in a rat model of periodontal wound healing. Xiao Y, et al. 849

Index

In vitro effect of transforming growth factor-β on adhesion molecule expression by human gingival fibroblasts cultured in the presence of a titanium abutment. Schierano G, et al. 1658

MATRIX METALLOPROTEINASES

Is collagen breakdown during periodontitis linked to inflammatory cells and expression of matrix metalloproteinases and tissue inhibitors of metalloproteinases in human gingival tissue? Séguier S, et al. 1398

Effect of avocado and soybean unsaponifiables on gelatinase A (MMP-2), stromelysin (MMP-3), and tissue inhibitors of matrix metallproteinase (TIMP-1 and TIMP-2) secretion by human fibroblasts in culture. Kut-Lasserre C, et al. 1685

Matrix metalloproteinases (MMP-8 and -9) and neutrophils elastase in gingival crevicular fluid of cyclosporin-treated patients. Atilla G, et al. 354

MATRIX METALLOPROTEINASE TISSUE INHIBITORS

Is collagen breakdown during periodontitis linked to inflammatory cells and expression of matrix metalloproteinases and tissue inhibitors of metalloproteinases in human gingival tissue? Séguier S, et al. 1398

Effect of avocado and soybean unsaponifiables on gelatinase A (MMP-2), stromelysin (MMP-3), and tissue inhibitors of matrix metallproteinase (TIMP-1 and TIMP-2) secretion by human fibroblasts in culture. Kut-Lasserre C, et al. 1685

MAXILLARY SINUS/surgery

Histological and clinical evaluation of 3 different grafting materials for sinus lifting procedure based on 8 cases. Karabuda C, et al. 1436

MAXILLARY SINUS AUGMENTATION

Histopathological morphometric evaluation of 2 different hydroxyapatite bone derivatives in sinus augmentation procedures: A comparative study in humans. Artzi Z, et al. 911

MEMBRANES, ARTIFICIAL

Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125

Clinical comparison of microporous biocompatible composite of PMMA, PHEMA, and calcium hydroxide grafts and expanded polytetrafluoroethylene barrier membranes in human mandibular molar Class II furcations. A case series. Calongne KB, et al. 1451

A comparison of porous and non-porous Teflon membranes plus demineralized freeze-dried bone allograft in the treatment of Class II buccal/lingual furcation defects: A clinical re-entry study. Lamb JW Jr, et al. 1580

Effect of repeated local minocycline administration on periodontal healing following guided tissue regeneration. Yoshinari N, et al. 284

Flow cytometry analysis of guided tissue regeneration-associated human periodontal cells. Kuru L, et al. 1016

Guided bone regeneration for dehiscence and fenestration defects on implants using an absorbable polymer barrier. Rosen PS, et al. 250

In vitro comparison of bioabsorbable and nonresorbable membranes in bone regeneration. Marinucci L, et al. 753

Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. I. Class II furcations. Eickholz P, et al. 35

Radiographic defect depth and width for prognosis and description of periodontal healing of infrabony defects. Klein F, et al. 1639

Root trunk concavities as a risk factor for regenerative procedures of Class II furcation lesions in dogs. Novaes AB Jr, et al. 612

MEMBRANES, BARRIER

Bioabsorbable materials for guided bone regeneration prior to implant placement and 7-year follow-up: Report of 14 cases. Brunel G, et al. 257

Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125

Clinical comparison of microporous biocompatible composite of PMMA, PHEMA, and calcium hydroxide grafts and expanded polytetrafluoroethylene barrier membranes in human mandibular molar Class II furcations. A case series. Calongne KB, et al. 1451

Collagen membranes: A review. Bunyaratavej P, et al. 215

A comparison of porous and non-porous Teflon membranes plus demineralized freeze-dried bone allograft in the treatment of Class II buccal/lingual furcation defects: A clinical re-entry study. Lamb JW Jr, et al. 1580

Effect of repeated local minocycline administration on periodontal healing following guided tissue regeneration. Yoshinari N, et al. 284

Flow cytometry analysis of guided tissue regeneration-associated human periodontal cells. Kuru L, et al. 1016

Guided bone regeneration for dehiscence and fenestration defects on implants using an absorbable polymer barrier. Rosen PS, et al. 250

In vitro comparison of bioabsorbable and nonresorbable membranes in bone regeneration. Marinucci L, et al. 753

Index

Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. I. Class II furcations. Eickholz P, et al. 35
Observations on a new collagen barrier membrane in 16 consecutively treated patients. Clinical and histological findings. Friedmann A, et al. 1616
Periodontal regeneration of a Class II furcation defect utilizing a bioabsorbable barrier in a human. A case study with histology. Stoller NH, et al. 238
Radiographic defect depth and width for prognosis and description of periodontal healing of infrabony defects. Klein, F, et al. 1639
Root trunk concavities as a risk factor for regenerative procedures of Class II furcation lesions in dogs. Novaes AB Jr, et al. 612
Surgical therapy of peri-implant disease: A 3-year follow-up study of cases treated with 3 different techniques of bone regeneration. Khoury F, et al. 1498
Treatment of a human transosseous mandibular defect by guided bone regeneration. Barboza EP, et al. 538

MEMBRANES, BARRIER/methods
The effect of membrane exposure on the outcome of regenerative procedures in humans: A meta-analysis. Machtei EE. 512

MEMBRANES, BIOABSORBABLE
Bioabsorbable materials for guided bone regeneration prior to implant placement and 7-year follow-up: Report of 14 cases. Brunel G, et al. 257
Collagen membranes: A review. Bunyaratavej P, et al. 215
Combination use of bovine porous bone mineral, enamel matrix proteins, and a bioabsorbable membrane in intrabony periodontal defects in humans. Lekovic V, et al. 583
Comparative clinical study of guided tissue regeneration with a bioabsorbable bilayer collagen membrane and subepithelial connective tissue graft. Romagna-Genon C. 1258
Comparison of calcium sulfate and autogenous bone graft to bioabsorbable membranes plus autogenous bone graft treatment of intrabony periodontal defects: A split-mouth study. Orsini M, et al. 296
Guided bone regeneration for dehiscence and fenestration defects on implants using an absorbable polymer barrier. Rosen PS, et al. 250
In vitro comparison of bioabsorbable and non-resorbable membranes in bone regeneration. Marinucci L, et al. 753
Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. I. Class II furcations. Eickholz P, et al. 35
Periodontal regeneration of a Class II furcation defect utilizing a bioabsorbable barrier in a human. A case study with histology. Stoller NH, et al. 238
Surgical therapy of peri-implant disease: A 3-year follow-up study of cases treated with 3 different techniques of bone regeneration. Khoury F, et al. 1498
Tetracycline modulates collagen membrane degradation in vitro. Moses O, et al. 1588
Treatment of intrabony defects with enamel matrix proteins or bioabsorbable membranes. A 4-year follow-up split-mouth study. Sculean A, et al. 1695

MENTAL DISORDERS
Relationship of periodontopathic bacteria with early-onset periodontitis in Down syndrome. Amano A, et al. 368

META-ANALYSIS
The effect of membrane exposure on the outcome of regenerative procedures in humans: A meta-analysis. Machtei EE. 512

METALLOPROTEINASES
Tetracycline modulates collagen membrane degradation in vitro. Moses O, et al. 1588

METALLOPROTEINASES, MATRIX
Activation of matrix metalloproteinase-2 by a novel oral spirochetal species *Treponema lecithinolyticum*. Choi B-K, et al. 1594

METHYLMETHACRYLATE/therapeutic use
Clinical comparison of microporous biocompatible composite of PMMA, PHEMA, and calcium hydroxide grafts and expanded polytetrafluoroethylene barrier membranes in human mandibular molar Class II furcations. A case series. Calongne KB, et al. 1451

METRONIDAZOLE/therapeutic use
Combined mechanical and antibiotic periodontal therapy in a case of Papillon-Lefèvre syndrome. Eickholz P, et al. 542
A 2-step non-surgical procedure and systemic antibiotics in the treatment of rapidly progressive periodontitis. Sigusch B, et al. 275

MINOCYCLINE/therapeutic use
The effect of antimicrobial periodontal treatment on circulating tumor necrosis factor-alpha and glycated hemoglobin level in patients with type 2 diabetes. Iwamoto Y, et al. 774
Effect of repeated local minocycline administration on periodontal healing following guided tissue regeneration. Yoshinari N, et al. 284
Treatment of periodontitis by local administration of minocycline microspheres: A controlled trial. Williams RC, et al. 1535

MITOSIS
Mitotic activity of keratinocytes in nifedipine- and immunosuppressive medication-induced gin-

gival overgrowth. Nurmenniemi PK, et al. 167
MODELS, BIOLOGICAL
Characterization of proliferation and cellular wound fill in periodontal cells using an in vitro wound model. Oates TW, et al. 324
The effects of platelet-derived growth factor-BB on periodontal cells in an in vitro wound model. Mumford JH, et al. 331
MODELS, MURINE
The effects of interleukin-10 depletion in vivo on the immune response to *Porphyromonas gingivalis* in a murine model. Herminajeng E, et al. 1527
MOLAR, SECOND
Mandibular second molar periodontal status after third molar extraction. Peng K-Y, et al. 1647
MOLAR, THIRD
Mandibular second molar periodontal status after third molar extraction. Peng K-Y, et al. 1647
MOLARS
A comparison of the success of root resected molars and molar position implants in function in a private practice: Results of up to 15-plus years. Fugazzotto PA. 1113
Mandibular second molar periodontal status after third molar extraction. Peng K-Y, et al. 1647
MOLARS/anatomy and histology
Effects of cyclosporin A on dental alveolar bone: A histomorphometric study in rats. Shen E-C, et al. 659
MONOKINES
Non-redundant roles for interleukin-1α and interleukin-1β in regulating human IgG2. Ishihara T, et al. 1332
MOUTH MUCOSA/anatomy and physiology
Thickness of palatal masticatory mucosa associated with age. Wara-aswapati N, et al. 1407
MOUTH MUCOSA/microbiology
The characteristic cellular organization and CEACAM1 expression in the junctional epithelium of rats and mice are genetically programmed and not influenced by the bacterial microflora. Heymann R, et al. 454
MOUTH NEOPLASMS
Metastatic transitional cell carcinoma of the urinary bladder presenting as a mandibular gingival swelling. de Courten A, et al. 688
MOUTH NEOPLASMS/diagnosis
Oral acanthosis nigricans as a marker of internal malignancy. A case report. Cairo F, et al. 1271
MOUTHWASHES/therapeutic use
Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183
Efficacy of a 3% potassium nitrate desensitizing mouthwash in the treatment of dentinal hypersensitivity. Pereira R, et al. 1720
MUCINOSES/diagnosis
Oral focal mucinosis of the gingiva: Case report. Iezzi G, et al. 1100
MUCOGINGIVAL SURGERY
Comparison of 2 techniques of subepithelial connective tissue graft in the treatment of gingival recession. Cordioli G, et al. 1470
Histology of connective tissue graft. A case report. Majzoub Z, et al. 1607
MUCOUS MEMBRANE/surgery
Esthetic management of multiple recession defects in a patient with cicatricial pemphigoid. Lorenzana ER, et al. 230
MULTI-CENTER STUDIES
Intrapocket anesthesia for scaling and root planing: Results of a double-blind multi-center trial using lidocaine prilocaine dental gel. Jeffcoat MK, et al. 895
A multi-center study comparing dual acid-etched and machined surfaced implants in various bone qualities. Khang W, et al. 1384
The simplified papilla preservation flap in the regenerative treatment of deep intrabony defects. Cortellini P, et al. 1702
Treatment of periodontitis by local administration of minocycline microspheres: A controlled trial. Williams RC, et al. 1535
MYOSPHERULOSIS
Myospherulosis complicating cortical block grafting: A case report. Fisher SC, et al. 1755
MYXOID/diagnosis
Oral focal mucinosis of the gingiva: Case report. Iezzi G, et al. 1100
MYXOMA/diagnosis
Oral focal mucinosis of the gingiva: Case report. Iezzi G, et al. 1100

N

NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY III
Potential associations between chronic respiratory disease and periodontal disease: Analysis of National Health and Nutrition Examination Survey III. Scannapieco FA, et al. 50
NEEDLE STICKS
Clinical evaluation and comparison of 2 topical anesthetics for pain caused by needle sticks and scaling and root planing. Carr MP, et al. 479
NEOPLASM METASTASIS
Metastatic transitional cell carcinoma of the urinary bladder presenting as a mandibular gingival swelling. de Courten A, et al. 688
NEUTROPENIA/diagnosis
Clinical periodontal findings and microflora profiles in children with chronic neutropenia

Index

under supervised oral hygiene. Okada M, et al. 945

NEUTROPENIA/therapy

Clinical periodontal findings and microflora profiles in children with chronic neutropenia under supervised oral hygiene. Okada M, et al. 945

NEUTROPHILS

Localized aggressive periodontitis in a patient with type 2 diabetes mellitus: A case report. Emingil G, et al. 1265

Matrix metalloproteinases (MMP-8 and -9) and neutrophils elastase in gingival crevicular fluid of cyclosporin-treated patients. Atilla G, et al. 354

Nitric oxide synthase activity in neutrophils from patients with localized aggressive periodontitis. Shibata K, et al. 1052

Systemic neutrophil response resulting from dental plaque accumulation. Kowolik MJ, et al. 146

NEUTROPHILS/pathophysiology

Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425

NEUTROPHILS/physiology

Short-chain carboxylic acids produced by Gram-negative anaerobic bacteria can accelerate or delay polymorphonuclear leukocyte apoptosis. Stehle HW, et al. 1059

NEUTROPHILS, POLYMORPHONUCLEAR

Polymorphonuclear neutrophils and their mediators in gingival tissues from generalized aggressive periodontitis. Liu RK, et al. 1545

NICOTINE

Regulation of cytokine production in human gingival fibroblasts following treatment with nicotine and lipopolysaccharide. Wendell KJ, et al. 1038

NICOTINE/adverse effects

Effect of nicotine on fibroblast β_1 integrin expression and distribution in vitro. Austin GW, et al. 438

NIFEDIPINE/adverse effects

Does nifedipine aggravate cyclosporin-induced gingival overgrowth? An experiment in rats. Chiu H-C, et al. 532

The effect of an immunosuppressive therapy and its withdrawal on bone healing around titanium implants. A histometric study in rabbits. Duarte PM, et al. 1391

Macrophages and lymphocyte subpopulations in nifedipine- and cyclosporin A-associated human gingival overgrowth. Pernu HE, et al. 160

Mitotic activity of keratinocytes in nifedipine- and immunosuppressive medication-induced gingival overgrowth. Nurmenniemi PK, et al. 167

Nifedipine induces gingival overgrowth in rats through a reduction in collagen phagocytosis by gingival fibroblasts. Kataoka M, et al. 1078

Prevalence and risk of gingival enlargement in patients treated with nifedipine. Miranda J, et al. 605

NITRIC OXIDE

Nitric oxide synthase activity in neutrophils from patients with localized aggressive periodontitis. Shibata K, et al. 1052

NITRIC OXIDE SYNTHASE

Nitric oxide synthase activity in neutrophils from patients with localized aggressive periodontitis. Shibata K, et al. 1052

Expression of cytokines and inducible nitric oxide synthase in inflamed gingival tissue. Hirose M, et al. 590

O

OBESITY IN DIABETES

The effect of antimicrobial periodontal treatment on circulating tumor necrosis factor-alpha and glycated hemoglobin level in patients with type 2 diabetes. Iwamoto Y, et al. 774

OCCLUSAL SPLINTS

Patient preference for light-cured composite bite splint compared to heat-cured acrylic bite splint. Leib AM. 1108

ORAL DIAGNOSIS/methods

Identification and consequences of distinct Löe-Silness gingival index examiner styles for the clinical assessment of gingivitis. McClanahan SF, et al. 383

ORAL HEALTH

Potential associations between chronic respiratory disease and periodontal disease: Analysis of National Health and Nutrition Examination Survey III. Scannapieco FA, et al. 50

ORAL HYGIENE

Effects of smoking and treatment status on periodontal bacteria: Evidence that smoking influences control of periodontal bacteria at the mucosal surface of the gingival crevice. Eggert F-M, et al. 1210

Health behaviors and their relation to metabolic control and periodontal status in type 2 diabetic patients: A model tested using a linear structural relations program. Kawamura M, et al. 1246

A longitudinal study comparing scaling, osseous surgery, and modified Widman procedures: Results after 5 years. Becker W, et al. 1675

ORAL HYGIENE/methods

Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183

Gliding capacity of different denal flosses. Dörfer CE, et al. 672

Sucralfate: A help during oral management in patients with epidermolysis bullosa. Marini I, et al. 691
ORAL SURGERY/methods
Clinical and radiographic evaluation of the papilla level adjacent to single-tooth dental implants. A retrospective study in the maxillary anterior region. Choquet V, et al. 1364
ORTHODONTICS, CORRECTIVE
Orthodontic tooth movement enhances bone healing of surgical bony defects in rats. Vardimon AD, et al. 958
OSSEOINTEGRATION
Detection of platelet-activating factor in gingival tissue surrounding failed dental implants. Bassi F, et al. 57
The effect of an immunosuppressive therapy and its withdrawal on bone healing around titanium implants. A histometric study in rabbits. Duarte PM, et al. 1391
Immediate implantation in fresh extraction sockets. A controlled clinical and histological study in man. Paolantonio M, et al. 1560
Peri-implant bone reactions to immediately loaded implants. An experimental study in monkeys. Romanos G, et al. 506
OSTEOBLASTS
In vitro comparison of bioabsorbable and nonresorbable membranes in bone regeneration. Marinucci L, et al. 753
OSTEOCLASTS
Effects of whole cell sonicates of *Treponema lecithinolyticum* on osteoclast differentiation. Choi B-K, et al. 1172
OSTEOGENESIS
Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125
The osteoinductive potential of demineralized freeze-dried bone allograft in human nonorthotopic sites: A pilot study. Paul BF, et al. 1064
Platelet-derived growth factor (PDGF) gene delivery for application in periodontal tissue engineering. Giannobile WV, et al. 815
OSTEOGENESIS, DISTRACTION
Histologic and radiographic evidence of vertical ridge augmentation utilizing distraction osteogenesis: 10 consecutively placed distractors. McAllister BS. 1767
OSTEOPENIA/etiology
Effects of cyclosporin A on dental alveolar bone: A histomorphometric study in rats. Shen E-C, et al. 659
OSTEOTOMY
Preprosthetic periodontal surgery in the interproximal area with modification of the COL area. Anatomic and histologic study in dogs. Novaes AB Jr, et al. 1734
OSTEOTOMY/adverse effects
Laser irradiation of bone: III. Long-term healing following treatment by CO_2 and Nd:YAG lasers. McDavid VG, et al. 174
OUTCOME ASSESSMENT
Clinical application of a new compact computed tomography system for evaluating the outcome of regenerative therapy: A case report. Ito K, et al. 696
A comparison of the success of root resected molars and molar position implants in function in a private practice: Results of up to 15-plus years. Fugazzotto PA. 1113
Coronally advanced flap procedure: Is the interdental papilla a prognostic factor for root coverage? Saletta S, et al. 760
The effect of membrane exposure on the outcome of regenerative procedures in humans: A meta-analysis. Machtei EE. 512
Identification and consequences of distinct Löe-Silness gingival index examiner styles for the clinical assessment of gingivitis. McClanahan SF, et al. 383
Implants in regenerated bone in primate model. Fritz ME, et al. 703
Localized aggressive periodontitis in a patient with type 2 diabetes mellitus: A case report. Emingil G, et al. 1265
A longitudinal study comparing scaling, osseous surgery, and modified Widman procedures: Results after 5 years. Becker W, et al. 1675
Microsurgical approach to periodontal regeneration. Initial evaluation in a case cohort. Cortellini P, et al. 559
Predictable multiple site root coverage using an acellular dermal matrix allograft. Henderson RD, et al. 571
Radiographic defect depth and width for prognosis and description of periodontal healing of infrabony defects. Klein F, et al. 1639
Surgical therapy of peri-implant disease: A 3-year follow-up study of cases treated with 3 different techniques of bone regeneration. Khoury F, et al. 1498
OXIDATIVE STRESS
Elevated hydroperoxide levels and antioxidant patterns in Papillon-Lefèvre syndrome. Battino M, et al. 1760

P

PAIN/prevention and control
Clinical evaluation and comparison of 2 topical anesthetics for pain caused by needle sticks

Index

and scaling and root planing. Carr MP, et al. 479

PAIN, POSTOPERATIVE/drug therapy
Interaction between piroxicam and azithromycin during distribution to human periodontal tissues. Malizia T, et al. 1151

PALATE/anatomy and physiology
Thickness of palatal masticatory mucosa associated with age. Wara-aswapati N, et al. 1407

PANCREATIC DISEASES/diagnosis
Human fibroblasts ubiquitously express glutamic acid decarboxylase 65 (GAD 65): Possible effects of connective tissue inflammation on GAD antibody titer. Kono T, et al. 598

PAPILLON-LEFÈVRE SYNDROME
Combined mechanical and antibiotic periodontal therapy in a case of Papillon-Lefèvre syndrome. Eickholz P, et al. 542
Elevated hydroperoxide levels and antioxidant patterns in Papillon-Lefèvre syndrome. Battino M, et al. 1760
Papillon-Lefèvre syndrome: Serum immunoglobulin G (IgG) subclass antibody response to periodontopathic bacteria. A case report. Wara-aswapati N, et al. 1747
Successful periodontal maintenance of a case with Papillon-Lefèvre syndrome: 12-year follow- up and review of the literature. Wiebe CB, et al. 824

PARANEOPLASTIC SYNDROMES
Oral acanthosis nigricans as a marker of internal malignancy. A case report. Cairo F, et al. 1271

PATIENT CARE PLANNING
The influence of partial and full-mouth recordings on estimates of prevalence and extent of lifetime cumulative attachment loss: A study in a population of young male military recruits. Eaton KA, et al. 140
Treatment of aggressive periodontitis by osseointegrated dental implants. A case report. Yalçin S, et al. 411

PATIENT SATISFACTION
Patient preference for light-cured composite bite splint compared to heat-cured acrylic bite splint. Leib AM. 1108

PEMPHIGOID, BENIGN MUCOUS MEMBRANE
Esthetic management of multiple recession defects in a patient with cicatricial pemphigoid. Lorenzana ER, et al. 230
Immunopathological diagnosis of cicatricial pemphigoid with desquamative gingivitis. A case report. Kurihara M, et al. 243

PEPTIDES/therapeutic use
The putative collagen binding peptide hastens periodontal ligament cell attachment to bone replacement graft materials. Lallier TE, et al. 990

PEPTOSTREPTOCOCCUS MICROS
Molecular analysis of *Peptostreptococcus micros* isolates from patients with periodontitis. Alpha CX, et al. 877

PERIAPICAL DISEASES/surgery
Treatment of a human transosseous mandibular defect by guided bone regeneration. Barboza EP, et al. 538

PERI-IMPLANT DISEASES
Internal contamination of a 2-component implant system after occlusal loading and provisionally luted reconstruction with or without a washer device. Rimondini L, et al. 1652
Surgical therapy of peri-implant disease: A 3-year follow-up study of cases treated with 3 different techniques of bone regeneration. Khoury F, et al. 1498

PERI-IMPLANT SOFT TISSUE
A longitudinal clinical comparison of plaque-induced inflammation between gingival and peri- implant soft tissues in the maxilla. Toljanic JA, et al. 1139
Peri-implant bone reactions to immediately loaded implants. An experimental study in monkeys. Romanos G, et al. 506

PERIODONTAL ATTACHMENT
Effects of furcation involvement on periodontal status and healing in adjacent proximal sites. Ehnevid H, et al. 871
Gingival, dermal, and periodontal ligament fibroblasts express different extracellular matrix receptors. Palaiologou AA, et al. 798

PERIODONTAL ATTACHMENT/instrumentation
Effects of pretreatment clinical parameters on bioactive glass implantation in intrabony periodontal defects. Park J-S, et al. 730

PERIODONTAL ATTACHMENT/surgery
Subperiosteal connective tissue grafts for pocket reduction and preservation of gingival esthetics: A case report. Nelson SW. 1092

PERIODONTAL ATTACHMENT LOSS/complications
Potential associations between chronic respiratory disease and periodontal disease: Analysis of National Health and Nutrition Examination Survey III. Scannapieco FA, et al. 50

PERIODONTAL ATTACHMENT LOSS/epidemiology
Epidemiology of clinical attachment loss in adolescents. Lopez R, et al. 1666

PERIODONTAL ATTACHMENT LOSS/etiology
Is loss of attachment due to root planing and scaling in sites with minimal probing depths a statistical or real occurrence? Gunsolley JC, et al. 349
Metal piercing through the tongue and localized loss of attachment: A case report. Kretchmer MC, et al. 831

Index

The natural history of periodontal disease in man. Risk factors for progression of attachment loss in individuals receiving no oral health care. Neely AL, et al. 1006

PERIODONTAL ATTACHMENT LOSS/microbiology

Persistent presence of *Bacteroides forsythus* as a risk factor for attachment loss in a population with low prevalence and severity of adult periodontitis. Tran SD, et al. 1

PERIODONTAL ATTACHMENT LOSS/prevention and control

Microsurgical approach to periodontal regeneration. Initial evaluation in a case cohort. Cortellini P, et al. 559

PERIODONTAL ATTACHMENT LOSS/therapy

Attachment of human periodontal ligament cells to enamel matrix-derived protein mediated via interaction between BSP-like molecules and integrin αvβ3. Suzuki N, et al. 1520

Subperiosteal and intraosseous connective tissue grafts for pocket reduction: A 9- to 13-year retrospective case series report. Nelson SW. 1424

The use of bovine porous bone mineral in combination with enamel matrix proteins or with an autologous fibrinogen/fibronectin system in the treatment of intrabony periodontal defects in humans. Lekovic V, et al. 1157

PERIODONTAL DISEASES

Human fibroblasts ubiquitously express glutamic acid decarboxylase 65 (GAD 65): Possible effects of connective tissue inflammation on GAD antibody titer. Kono T, et al. 598

Tobacco smoking and neutrophil activity in patients with periodontal disease. Persson L, et al. 90

PERIODONTAL DISEASES/complications

The association between *Porphyromonas gingivalis*-specific maternal serum IgG and low birth weight. Dasanayake AP, et al. 1491

Potential associations between chronic respiratory disease and periodontal disease: Analysis of National Health and Nutrition Examination Survey III. Scannapieco FA, et al. 50

PERIODONTAL DISEASES/diagnosis

Immunopathological diagnosis of cicatricial pemphigoid with desquamative gingivitis. A case report. Kurihara M, et al. 243

Relationship between crevicular aspartate aminotransferase levels and periodontal disease progression. Oringer RJ, et al. 17

Relationship of sulcular sulfide level to severity of periodontal disease and BANA test. Morita M, et al. 74

PERIODONTAL DISEASES/drug therapy

Effect of repeated local minocycline administration on periodontal healing following guided tissue regeneration. Yoshinari N, et al. 284

PERIODONTAL DISEASES/epidemiology

The natural history of periodontal disease in man. Risk factors for progression of attachment loss in individuals receiving no oral health care. Neely AL, et al. 1006

Naturally occurring periodontal bone loss in the wild deer mouse, genus *Peromyscus*. Wiebe CB, et al. 620

Periodontal disease in pregnancy complicated by type 1 diabetes mellitus. Guthmiller JM, et al. 1485

An "S-shaped" relationship between smoking duration and alveolar bone loss: Generating a hypothesis. Schuller AA, et al. 1164

PERIODONTAL DISEASES/etiology

The effect of occlusal discrepancies on periodontitis. I. Relationship of initial occlusal discrepancies to initial clinical parameters. Nunn ME, et al. 485

The effect of occlusal discrepancies on periodontitis. II. Relationship of treatment to the progression of periodontal disease. Harrel SK, et al. 495

Mandibular second molar periodontal status after third molar extraction. Peng K-Y, et al. 1647

PERIODONTAL DISEASES/immunology

Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463

Papillon-Lefèvre syndrome: Serum immunoglobulin G (IgG) subclass antibody response to periodontopathic bacteria. A case report. Waraaswapati N, et al. 1747

PERIODONTAL DISEASES/microbiology

Effect of repeated local minocycline administration on periodontal healing following guided tissue regeneration. Yoshinari N, et al. 284

Effects of whole cell sonicates of *Treponema lecithinolyticum* on osteoclast differentiation. Choi B-K, et al. 1172

Expression of cytokines and inducible nitric oxide synthase in inflamed gingival tissue. Hirose M, et al. 590

Molecular analysis of *Peptostreptococcus micros* isolates from patients with periodontitis. Alpha CX, et al. 877

Papillon-Lefèvre syndrome: Serum immunoglobulin G (IgG) subclass antibody response to periodontopathic bacteria. A case report. Waraaswapati N, et al. 1747

Periodontal infections contribute to elevated systemic C-reactive protein level. Noack B, et al. 1221

Persistent presence of *Bacteroides forsythus* as a risk factor for attachment loss in a population with low prevalence and severity of adult periodontitis. Tran SD, et al. 1

Index

Short-chain carboxylic acids produced by Gram-negative anaerobic bacteria can accelerate or delay polymorphonuclear leukocyte apoptosis. Stehle HW, et al. 1059

Treponema socranskii, Treponema denticola, and *Porphyromonas gingivalis* are associated with severity of periodontal tissue destruction. Takeuchi Y, et al. 1354

PERIODONTAL DISEASES/pathogenesis

Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463

Cyclooxygenase-2 is upregulated in inflamed gingival tissue. Morton RS, et al. 461

Effects of dipeptide bestatin on *Porphyromonas gingivalis* and epithelial cells. Labbe S, et al. 714

Human gingival fibroblast cytoskeleton is a target for volatile smoke components. Rota MT, et al. 709

Interleukin-1β regulation of adhesion molecules on human gingival and periodontal ligament fibroblasts. Joe BH, et al. 865

Levels of leukotriene B_4 in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1025

Levels of platelet-activating factor in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1032

PERIODONTAL DISEASES/pathology

Is collagen breakdown during periodontitis linked to inflammatory cells and expression of matrix metalloproteinases and tissue inhibitors of metalloproteinases in human gingival tissue? Séguier S, et al. 1398

PERIODONTAL DISEASES/physiopathology

The effect of alcohol consumption on periodontal disease. Tezal M, et al. 183

Leptin within healthy and diseased human gingiva. Johnson RB, et al. 1254

PERIODONTAL DISEASES/prevention and control

Health behaviors and their relation to metabolic control and periodontal status in type 2 diabetic patients: A model tested using a linear structural relations program. Kawamura M, et al. 1246

PERIODONTAL DISEASES/surgery

Cigarette smoking negatively affects healing response following flap debridement surgery. Scabbia A, et al. 43

Combination use of bovine porous bone mineral, enamel matrix proteins, and a bioabsorbable membrane in intrabony periodontal defects in humans. Lekovic V, et al. 583

Comparative 6-month clinical study of a subepithelial connective tissue graft and acellular dermal matrix graft for the treatment of gingival recession. Novaes AB Jr, et al. 1477

The effect of membrane exposure on the outcome of regenerative procedures in humans: A meta-analysis. Machtei EE. 512

Epidermolysis bullosa acquisita: Clinical manifestations, microscopic findings, and surgical periodontal therapy. A case report. Hakki SS, et al. 550

Longitudinal comparison of the periodontal status of patients with moderate to severe periodontal disease receiving no treatment, nonsurgical treatment, and surgical treatment utilizing individual sites for analysis. Harrel SK, et al. 1509

A longitudinal study comparing scaling, osseous surgery, and modified Widman procedures: Results after 5 years. Becker W, et al. 1675

Microsurgical approach to periodontal regeneration. Initial evaluation in a case cohort. Cortellini P, et al. 559

Osseointegrated implants in patients treated for generalized chronic periodontitis and generalized aggressive periodontitis: 3- and 5-year results of a prospective long-term study. Mengel R, et al. 977

Periodontal regeneration of a Class II furcation defect utilizing a bioabsorbable barrier in a human. A case study with histology. Stoller NH, et al. 238

The simplified papilla preservation flap in the regenerative treatment of deep intrabony defects: Clinical outcomes and postoperative morbidity. Cortellini P, et al. 1702

PERIODONTAL DISEASES/therapy

A clinical evaluation of hydroxyapatite cement in the treatment of Class III furcation defects. Ruprecht RD, et al. 1443

Combination use of bovine porous bone mineral, enamel matrix proteins, and a bioabsorbable membrane in intrabony periodontal defects in humans. Lekovic V, et al. 583

Effect of avocado and soybean unsaponifiables on gelatinase A (MMP-2), stromelysin (MMP-3), and tissue inhibitors of matrix metallproteinase (TIMP-1 and TIMP-2) secretion by human fibroblasts in culture. Kut-Lasserre C, et al. 1685

The effect of antimicrobial periodontal treatment on circulating tumor necrosis factor-alpha and glycated hemoglobin level in patients with type 2 diabetes. Iwamoto Y, et al. 774

Esthetic management of multiple recession defects in a patient with cicatricial pemphigoid. Lorenzana ER, et al. 230

The expression of plasminogen activator system in a rat model of periodontal wound healing. Xiao Y, et al. 849

Guidelines for periodontal therapy (position paper). American Academy of Periodontology. 1624

Index

Local versus systemic adjunctive antibiotic therapy in 28 patients with generalized aggressive periodontitis. Purucker P, et al. 1241

Longitudinal comparison of the periodontal status of patients with moderate to severe periodontal disease receiving no treatment, non-surgical treatment, and surgical treatment utilizing individual sites for analysis. Harrel SK, et al. 1509

A longitudinal study comparing scaling, osseous surgery, and modified Widman procedures: Results after 5 years. Becker W, et al. 1675

Osseointegrated implants in patients treated for generalized chronic periodontitis and generalized aggressive periodontitis: 3- and 5-year results of a prospective long-term study. Mengel R, et al. 977

Periodontal treatment with an Er:YAG laser compared to scaling and root planing. A controlled clinical study. Schwarz F, et al. 361

Radiographic defect depth and width for prognosis and description of periodontal healing of infrabony defects. Klein F, et al. 1639

Retrospective evaluation of the influence of the interleukin-1 genotype on radiographic bone levels in treated periodontal patients over 10 years. Cattabriga M, et al. 767

Root trunk concavities as a risk factor for regenerative procedures of Class II furcation lesions in dogs. Novaes AB Jr, et al. 612

The simplified papilla preservation flap in the regenerative treatment of deep intrabony defects: Clinical outcomes and postoperative morbidity. Cortellini P, et al. 1702

Treatment of plaque-induced gingivitis, chronic periodontitis, and other clinical conditions (position paper). American Academy of Periodontology. 1790

PERIODONTAL INDEX

The influence of partial and full-mouth recordings on estimates of prevalence and extent of lifetime cumulative attachment loss: A study in a population of young male military recruits. Eaton KA, et al. 140

PERIODONTAL LIGAMENT

Attachment of human periodontal ligament cells to enamel matrix-derived protein mediated via interaction between BSP-like molecules and integrin αvβ3. Suzuki N, et al. 1520

Cyclosporin-induced gingival overgrowth at the newly formed edentulous ridge in rats. A morphological and histometric evaluation. Fu E, et al. 889

Effect of diode laser irradiation on the attachment rate of periodontal ligament cells: An in vitro study. Kreisler M, et al. 1312

The effects of platelet-derived growth factor-BB on periodontal cells in an in vitro wound model. Mumford JH, et al. 331

Gingival, dermal, and periodontal ligament fibroblasts express different extracellular matrix receptors. Palaiologou AA, et al. 798

PERIODONTAL LIGAMENT/physiology

Characterization of proliferation and cellular wound fill in periodontal cells using an in vitro wound model. Oates TW, et al. 324

Flow cytometry analysis of guided tissue regeneration-associated human periodontal cells. Kuru L, et al. 1016

Participation of periodontal ligament cells with regeneration of alveolar bone. Isaka J, et al. 314

Phagocytosis of fibronectin and collagens type I, III, and V by human gingival and periodontal ligament fibroblasts in vitro. van der Pauw MT, et al. 1340

PERIODONTAL POCKETS

Effects of pretreatment clinical parameters on bioactive glass implantation in intrabony periodontal defects. Park J-S, et al. 730

PERIODONTAL POCKETS/anatomy and histology

Adhesion of *Porphyromonas gingivalis* strains to cultured epithelial cells from patients with a history of chronic adult periodontitis or from patients less susceptible to periodontitis. Quirynen M, et al. 626

PERIODONTAL POCKETS/drug therapy

The effect of postsurgical antibiotics on the healing of intrabony defects following treatment with enamel matrix proteins. Sculean A, et al. 190

PERIODONTAL POCKETS/etiology

Soluble CD14 levels in gingival crevicular fluid of subjects with untreated adult periodontitis. Jin L, et al. 634

PERIODONTAL POCKETS/microbiology

A sensitive method for detecting *Porphyromonas gingivalis* by polymerase chain reaction and its possible clinical application. Nozaki T, et al. 1228

PERIODONTAL POCKETS/surgery

Intrapocket anesthesia for scaling and root planing: Results of a double-blind multi-center trial using lidocaine prilocaine dental gel. Jeffcoat MK, et al. 895

Subperiosteal connective tissue grafts for pocket reduction and preservation of gingival esthetics: A case report. Nelson SW. 1092

PERIODONTAL POCKETS/therapy

The putative collagen binding peptide hastens periodontal ligamnet cell attachment to bone replacement graft materials. Lallier TE, et al. 990

Root coverage and pocket reduction as combined surgical procedures. Hirsch A, et al. 1572

Subperiosteal and intraosseous connective tissue grafts for pocket reduction: A 9- to 13-year

Index

retrospective case series report. Nelson SW. 1424

The use of bovine porous bone mineral in combination with enamel matrix proteins or with an autologous fibrinogen/fibronectin system in the treatment of intrabony periodontal defects in humans. Lekovic V, et al. 1157

PERIODONTAL PROBES

Bacteremia due to periodontal probing: A clinical and microbiological investigation. Daly CG, et al. 210

Is loss of attachment due to root planing and scaling in sites with minimal probing depths a statistical or real occurrence? Gunsolley JC, et al. 349

Microsurgical approach to periodontal regeneration. Initial evaluation in a case cohort. Cortellini P, et al. 559

Subperiosteal connective tissue grafts for pocket reduction and preservation of gingival esthetics: A case report. Nelson SW. 1092

PERIODONTAL REGENERATION

A comparative study utilizing open flap debridement with and without enamel matrix derivative in the treatment of periodontal intrabony defects: A 12-month re-entry study. Froum SJ, et al. 25

The effect of postsurgical antibiotics on the healing of intrabony defects following treatment with enamel matrix proteins. Sculean A, et al. 190

The effects of platelet-derived growth factor-BB on periodontal cells in an in vitro wound model. Mumford JH, et al. 331

Effects of pretreatment clinical parameters on bioactive glass implantation in intrabony periodontal defects. Park J-S, et al. 730

Enamel matrix derivative induces matrix synthesis by cultured human periodontal fibroblast cells. Haase HR, et al. 341

Microsurgical approach to periodontal regeneration. Initial evaluation in a case cohort. Cortellini P, et al. 559

Participation of periodontal ligament cells with regeneration of alveolar bone. Isaka J, et al. 314

Periodontal regeneration of a Class II furcation defect utilizing a bioabsorbable barrier in a human. A case study with histology. Stoller NH, et al. 238

The putative collagen binding peptide hastens periodontal ligamnet cell attachment to bone replacement graft materials. Lallier TE, et al. 990

Tissue banking of bone allografts used in periodontal regeneration (position paper). American Academy of Periodontology. 834

Treatment of intrabony defects with enamel matrix proteins or bioabsorbable membranes. A 4-year follow-up split-mouth study. Sculean A, et al. 1695

The use of bovine porous bone mineral in combination with enamel matrix proteins or with an autologous fibrinogen/fibronectin system in the treatment of intrabony periodontal defects in humans. Lekovic V, et al. 1157

PERIODONTITIS

Interactions of lymphotoxin α (TNF-β), angiotensin-converting enzyme (ACE), and endothelin-1 (ET-1) gene polymorphisms in adult periodontitis. Hollá LI, et al. 85

PERIODONTITIS/complications

Activation of matrix metalloproteinase-2 by a novel oral spirochetal species *Treponema lecithinolyticum*. Choi B-K, et al. 1594

PERIODONTITIS/diagnosis

The influence of partial and full-mouth recordings on estimates of prevalence and extent of lifetime cumulative attachment loss: A study in a population of young male military recruits. Eaton KA, et al. 140

Performance of a commercial immunoassay for detection and differentiation of periodontal marker bacteria: Analysis of immunichemical performance with clinical samples. Eggert F-M, et al. 1201

A sensitive method for detecting *Porphyromonas gingivalis* by polymerase chain reaction and its possible clinical application. Nozaki T, et al. 1228

PERIODONTITIS/drug therapy

The effect of hyaluronan on bone and soft tissue and immune response in wound healing. Engström P-E, et al. 1192

Treatment of periodontitis by local administration of minocycline microspheres: A controlled trial. Williams RC, et al. 1535

A 2-step non-surgical procedure and systemic antibiotics in the treatment of rapidly progressive periodontitis. Sigusch B, et al. 275

PERIODONTITIS/epidemiology

Aggressive periodontitis associated with Fanconi's anemia. A case report. Nowzari H, et al. 1601

Epidemiology of clinical attachment loss in adolescents. Lopez R, et al. 1666

The influence of partial and full-mouth recordings on estimates of prevalence and extent of lifetime cumulative attachment loss: A study in a population of young male military recruits. Eaton KA, et al. 140

PERIODONTITIS/etiology

The effect of occlusal discrepancies on periodontitis. I. Relationship of initial occlusal discrepancies to initial clinical parameters. Nunn ME, et al. 485

The effect of occlusal discrepancies on periodontitis. II. Relationship of treatment to the progression of periodontal disease. Harrel SK, et al. 495
Relationship between rheumatoid arthritis and periodontitis. Mercado FB, et al. 779
Soluble CD14 levels in gingival crevicular fluid of subjects with untreated adult periodontitis. Jin L, et al. 634
PERIODONTITIS/immunology
The Fcγ receptor genotype as a severity factor for chronic periodontitis in Japanese patients. Kobayashi T, et al. 1324
PERIODONTITIS/microbiology
Adhesion of *Porphyromonas gingivalis* strains to cultured epithelial cells from patients with a history of chronic adult periodontitis or from patients less susceptible to periodontitis. Quirynen M, et al. 626
Bacteremia due to periodontal probing: A clinical and microbiological investigation. Daly CG, et al. 210
Clinical periodontal findings and microflora profiles in children with chronic neutropenia under supervised oral hygiene. Okada M, et al. 945
Effects of smoking and treatment status on periodontal bacteria: Evidence that smoking influences control of periodontal bacteria at the mucosal surface of the gingival crevice. Eggert F-M, et al. 1210
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
Performance of a commercial immunoassay for detection and differentiation of periodontal marker bacteria: Analysis of immunichemical performance with clinical samples. Eggert F-M, et al. 1201
A sensitive method for detecting *Porphyromonas gingivalis* by polymerase chain reaction and its possible clinical application. Nozaki T, et al. 1228
Smoking affects the subgingival microflora in periodontitis. van Winkelhoff AJ, et al. 666
PERIODONTITIS/pathogenesis
Apoptosis in chronic adult periodontitis analyzed by *in situ* DNA breaks, electron microscopy, and immunohistochemistry. Gamonal J, et al. 517
Clinical periodontal findings and microflora profiles in children with chronic neutropenia under supervised oral hygiene. Okada M, et al. 945
Elevated hydroperoxide levels and antioxidant patterns in Papillon-Lefèvre syndrome. Battino M, et al. 1760
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
Interleukin-1β and thiobarbituric acid reactive substance (TBARS) levels after phase I periodontal therapy in patients with chronic periodontitis. Tüter G, et al. 883
Levels of leukotriene B_4 in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1025
Levels of platelet-activating factor in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1032
Osseointegrated implants in patients treated for generalized chronic periodontitis and generalized aggressive periodontitis: 3- and 5-year results of a prospective long-term study. Mengel R, et al. 977
Periodontal infections contribute to elevated systemic C-reactive protein level. Noack B, et al. 1221
PERIODONTITIS/prevention and control
Localized aggressive periodontitis in a patient with type 2 diabetes mellitus: A case report. Emingil G, et al. 1265
PERIODONTITIS/therapy
Effect of non-surgical periodontal therapy on C-telopeptide pyridinoline cross-links (ICTP) and interleukin-1 levels. Al-Shammari KF, et al. 1045
Local versus systemic adjunctive antibiotic therapy in 28 patients with generalized aggressive periodontitis. Purucker P, et al. 1241
Localized aggressive periodontitis in a patient with type 2 diabetes mellitus: A case report. Emingil G, et al. 1265
Metal piercing through the tongue and localized loss of attachment: A case report. Kretchmer MC, et al. 831
One-stage full-mouth disinfection. Long-term microbiological results analyzed by checkerboard DNA-DNA hybridization. De Soete M, et al. 374
Osseointegrated implants in patients treated for generalized chronic periodontitis and generalized aggressive periodontitis: 3- and 5-year results of a prospective long-term study. Mengel R, et al. 977
Treatment of plaque-induced gingivitis, chronic periodontitis, and other clinical conditions (position paper). American Academy of Periodontology. 1790
PERIODONTITIS, CHRONIC/microbiology
Distribution of the receptor for advanced glycation endproducts gene polymorphisms in patients with chronic periodontitis: A preliminary study. Hollá LI, et al. 1742
PERIODONTITIS, CHRONIC/pathophysiology
Distribution of the receptor for advanced glycation endproducts gene polymorphisms in patients

Index

with chronic periodontitis: A preliminary study. Hollá LI, et al. 1742

PERIODONTITIS, EARLY-ONSET
Non-redundant roles for interleukin-1α and interleukin-1β in regulating human IgG2. Ishihara T, et al. 1332

PERIODONTITIS, EARLY-ONSET/diagnosis
A multidisciplinary approach to the diagnosis and treatment of early-onset periodontitis: A case report. Worch KP, et al. 96

PERIODONTITIS, EARLY-ONSET/etiology
Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463

PERIODONTITIS, EARLY-ONSET/immunology
Some effects of non-surgical therapy on gingival inflammatory cell subsets in patients with early-onset periodontitis associated with *Actinobacillus actinomycetemcomitans*. Kleinfelder J, et al. 1713

PERIODONTITIS, EARLY-ONSET/microbiology
A multidisciplinary approach to the diagnosis and treatment of early-onset periodontitis: A case report. Worch KP, et al. 96
Relationship of periodontopathic bacteria with early-onset periodontitis in Down syndrome. Amano A, et al. 368

PERIODONTITIS, EARLY-ONSET/pathogenesis
Analysis of single nucleotide polymorphisms in the 5′-flanking region of tumor necrosis factor-alpha gene in Japanese patients with early-onset periodontitis. Endo M, et al. 1554
Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463

PERIODONTITIS, EARLY-ONSET/therapy
A multidisciplinary approach to the diagnosis and treatment of early-onset periodontitis: A case report. Worch KP, et al. 96
Some effects of non-surgical therapy on gingival inflammatory cell subsets in patients with early-onset periodontitis associated with *Actinobacillus actinomycetemcomitans*. Kleinfelder J, et al. 1713

PERIODONTITIS, GENERALIZED AGGRESSIVE/pathogenesis
Polymorphonuclear neutrophils and their mediators in gingival tissues from generalized aggressive periodontitis. Liu RK, et al. 1545

PERIODONTITIS, JUVENILE
Nitric oxide synthase activity in neutrophils from patients with localized aggressive periodontitis. Shibata K, et al. 1052
Non-redundant roles for interleukin-1α and interleukin-1β in regulating human IgG2. Ishihara T, et al. 1332

PERIODONTITIS, JUVENILE/diagnosis
A multidisciplinary approach to the diagnosis and treatment of early-onset periodontitis: A case report. Worch KP, et al. 96

PERIODONTITIS, JUVENILE/drug therapy
Combined mechanical and antibiotic periodontal therapy in a case of Papillon-Lefèvre syndrome. Eickholz P, et al. 542

PERIODONTITIS, JUVENILE/microbiology
A multidisciplinary approach to the diagnosis and treatment of early-onset periodontitis: A case report. Worch KP, et al. 96

PERIODONTITIS, JUVENILE/surgery
Combined mechanical and antibiotic periodontal therapy in a case of Papillon-Lefèvre syndrome. Eickholz P, et al. 542

PERIODONTITIS, JUVENILE/therapy
A multidisciplinary approach to the diagnosis and treatment of early-onset periodontitis: A case report. Worch KP, et al. 96
Treatment of aggressive periodontitis by osseointegrated dental implants. A case report. Yalçin S, et al. 411

PERIODONTIUM/anatomy and histology
Effects of furcation involvement on periodontal status and healing in adjacent proximal sites. Ehnevid H, et al. 871

PERIODONTIUM/growth and development
Platelet-derived growth factor (PDGF) gene delivery for application in periodontal tissue engineering. Giannobile WV, et al. 815

PEROMYSCUS
Naturally occurring periodontal bone loss in the wild deer mouse, genus *Peromyscus*. Wiebe CB, et al. 620

PERSONNEL, RESEARCH
Identification and consequences of distinct Löe-Silness gingival index examiner styles for the clinical assessment of gingivitis. McClanahan SF, et al. 383

PHAGOCYTOSIS
Phagocytosis of fibronectin and collagens type I, III, and V by human gingival and periodontal ligament fibroblasts in vitro. van der Pauw MT, et al. 1340

PHOSPHOLIPIDS
Levels of platelet-activating factor in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1032

PIROXICAM/therapeutic use
Interaction between piroxicam and azithromycin during distribution to human periodontal tissues. Malizia T, et al. 1151

PLANING
Clinical evaluation and comparison of 2 topical anesthetics for pain caused by needle sticks and scaling and root planing. Carr MP, et al. 479

Intrapocket anesthesia for scaling and root planing: Results of a double-blind multi-center trial using lidocaine prilocaine dental gel. Jeffcoat MK, et al. 895
Is loss of attachment due to root planing and scaling in sites with minimal probing depths a statistical or real occurrence? Gunsolley JC, et al. 349
A longitudinal study comparing scaling, osseous surgery, and modified Widman procedures: Results after 5 years. Becker W, et al. 1675
Periodontal treatment with an Er:YAG laser compared to scaling and root planing. A controlled clinical study. Schwarz F, et al. 361
Treatment of periodontitis by local administration of minocycline microspheres: A controlled trial. Williams RC, et al. 1535
A 2-step non-surgical procedure and systemic antibiotics in the treatment of rapidly progressive periodontitis. Sigusch B, et al. 275

PLASMINOGEN ACTIVATOR
The expression of plasminogen activator system in a rat model of periodontal wound healing. Xiao Y, et al. 849

PLATELET ACTIVATING FACTOR
Detection of platelet-activating factor in gingival tissue surrounding failed dental implants. Bassi F, et al. 57
Levels of platelet-activating factor in gingival crevicular fluid and gingival tissue in specific periodontal diseases. Emingil G, et al. 1032

POLYLACTIC ACID/therapeutic use
Guided bone regeneration for dehiscence and fenestration defects on implants using an absorbable polymer barrier. Rosen PS, et al. 250
Periodontal regeneration of a Class II furcation defect utilizing a bioabsorbable barrier in a human. A case study with histology. Stoller NH, et al. 238

POLYLACTIDES/therapeutic use
In vitro comparison of bioabsorbable and nonresorbable membranes in bone regeneration. Marinucci L, et al. 753

POLYMERASE CHAIN REACTION
Aggressive periodontitis associated with Fanconi's anemia. A case report. Nowzari H, et al. 1601
Clinical periodontal findings and microflora profiles in children with chronic neutropenia under supervised oral hygiene. Okada M, et al. 945
Detection of hepatitis C virus RNA from gingival crevicular fluid and its relation to virus presence in saliva. Matičič M, et al. 11
Expression of cytokines and inducible nitric oxide synthase un unflamed gingival tissue. Hirose M, et al. 590
Molecular analysis of *Peptostreptococcus micros* isolates from patients with periodontitis. Alpha CX, et al. 877
A sensitive method for detecting *Porphyromonas gingivalis* by polymerase chain reaction and its possible clinical application. Nozaki T, et al. 1228
Treponema socranskii, Treponema denticola, and *Porphyromonas gingivalis* are associated with severity of periodontal tissue destruction. Takeuchi Y, et al. 1354

POLYMORPHISM
The Fcγ receptor genotype as a severity factor for chronic periodontitis in Japanese patients. Kobayashi T, et al. 1324

POLYMORPHISM, GENETIC
Analysis of single nucleotide polymorphisms in the 5′-flanking region of tumor necrosis factor-alpha gene in Japanese patients with early-onset periodontitis. Endo M, et al. 1554
Distribution of the receptor for advanced glycation endproducts gene polymorphisms in patients with chronic periodontitis: A preliminary study. Hollá LI, et al. 1742
The influence of transforming growth factor-β_1 gene polymorphisms on the severity of gingival overgrowth associated with concomitant use of cyclosporin A and a calcium channel blocker. Linden GJ, et al. 808
Interactions of lymphotoxin α (TNF-β), angiotensin-converting enzyme (ACE), and endothelin-1 (ET-1) gene polymorphisms in adult periodontitis. Hollá LI, et al. 85

POLYTETRAFLUOROETHYLENE/therapeutic use
Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125
Clinical comparison of microporous biocompatible composite of PMMA, PHEMA, and calcium hydroxide grafts and expanded polytetrafluoroethylene barrier membranes in human mandibular molar Class II furcations. A case series. Calongne KB, et al. 1451
A comparison of porous and non-porous Teflon membranes plus demineralized freeze-dried bone allograft in the treatment of Class II buccal/lingual furcation defects: A clinical re-entry study. Lamb JW Jr, et al. 1580
Flow cytometry analysis of guided tissue regeneration-associated human periodontal cells. Kuru L, et al. 1016
In vitro comparison of bioabsorbable and nonresorbable membranes in bone regeneration. Marinucci L, et al. 753

Index

Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. I. Class II furcations. Eickholz P, et al. 35

Radiographic defect depth and width for prognosis and description of periodontal healing of infrabony defects. Klein F, et al. 1639

Root trunk concavities as a risk factor for regenerative procedures of Class II furcation lesions in dogs. Novaes AB Jr, et al. 612

PORPHYROMONAS GINGIVALIS

Adhesion of *Porphyromonas gingivalis* strains to cultured epithelial cells from patients with a history of chronic adult periodontitis or from patients less susceptible to periodontitis. Quirynen M, et al. 626

The association between *Porphyromonas gingivalis*-specific maternal serum IgG and low birth weight. Dasanayake AP, et al. 1491

Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463

Effects of dipeptide bestatin on *Porphyromonas gingivalis* and epithelial cells. Labbé S, et al. 714

The effects of interleukin-10 depletion in vivo on the immune response to *Porphyromonas gingivalis* in a murine model. Herminajeng E, et al. 1527

Expression of cytokines and inducible nitric oxide synthase in inflamed gingival tissue. Hirose M, et al. 590

Persistent presence of *Bacteroides forsythus* as a risk factor for attachment loss in a population with low prevalence and severity of adult periodontitis. Tran SD, et al. 1

Protease-active extracellular protein preparations from *Porphyromonas gingivalis* W83 induce N-cadherin proteolysis, loss of cell adhesion, and apoptosis in human epithelial cells. Chen Z, et al. 641

Relationship of periodontopathic bacteria with early-onset periodontitis in Down syndrome. Amano A, et al. 368

A sensitive method for detecting *Porphyromonas gingivalis* by polymerase chain reaction and its possible clinical application. Nozaki T, et al. 1228

Treponema socranskii, Treponema denticola, and *Porphyromonas gingivalis* are associated with severity of periodontal tissue destruction. Takeuchi Y, et al. 1354

POSITION PAPERS AND GUIDELINES

Guidelines for periodontal therapy. 1624

In-office use of conscious sedation in periodontics. 968

Tissue banking of bone allografts used in periodontal regeneration. 834

Treatment of plaque-induced gingivitis, chronic periodontitis, and other clinical conditions. 1790

POTASSIUM NITRATE/therapeutic use

Efficacy of a 3% potassium nitrate desensitizing mouthwash in the treatment of dentinal hypersensitivity. Pereira R, et al. 1720

PRACTICE MANAGEMENT, DENTAL

Practice management: Observations, issues, and empirical evidence. Wong HMY, et al. 196

PREGNANCY/complications

Periodontal disease in pregnancy complicated by type 1 diabetes mellitus. Guthmiller JM, et al. 1485

PREGNANCY IN DIABETES

Periodontal disease in pregnancy complicated by type 1 diabetes mellitus. Guthmiller JM, et al. 1485

PREPROSTHETIC SURGERY

Preprosthetic periodontal surgery in the interproximal area with modification of the COL area. Anatomic and histologic study in dogs. Novaes AB Jr, et al. 1734

PREVOTELLA INTERMEDIA

Associations between serum antibody levels to periodontal pathogens and early-onset periodontitis. Albandar JM, et al. 1463

PRILOCAINE

Intrapocket anesthesia for scaling and root planing: Results of a double-blind multi-center trial using lidocaine prilocaine dental gel. Jeffcoat MK, et al. 895

PROGNOSIS

Coronally advanced flap procedure: Is the interdental papilla a prognostic factor for root coverage? Saletta S, et al. 760

PROLIFERATION INDEX

TGF-β1 autocrine stimulation regulates fibroblast proliferation in hereditary gingival fibromatosis. de Andrade CR, et al. 1726

PROPIONIC ACID

Short-chain carboxylic acids produced by Gram-negative anaerobic bacteria can accelerate or delay polymorphonuclear leukocyte apoptosis. Stehle HW, et al. 1059

PROSTAGLANDINS/adverse effects

Cyclooxygenase-2 is upregulated in inflamed gingival tissue. Morton RS, et al. 461

PROTEIN KINASES, MITOGEN-ACTIVATED

Mechanisms of *Actinobacillus actinoycetemcomitans* induced expression of interleukin-8 in gingival epithelial cells. Sfakianakis A, et al. 1413

PROTEINASE INHIBITORS

Effects of dipeptide bestatin on *Porphyromonas gingivalis* and epithelial cells. Labbé S, et al. 714

Index

PROTEINS, BACTERIAL OUTER MEMBRANE
A sensitive method for detecting *Porphyromonas gingivalis* by polymerase chain reaction and its possible clinical application. Nozaki T, et al. 1228
PROTEINS, BONE MORPHOGENETIC
Hyaluronan supports recombinant human bone morphogenetic protein-2 induced bone reconstruction of advanced alveolar ridge defects in dogs. A pilot study. Hunt DR, et al. 651
PROTEINS, C-REACTIVE
Periodontal infections contribute to elevated systemic C-reactive protein level. Noack B, et al. 1221
PROTEINS, ENAMEL MATRIX
Attachment of human periodontal ligament cells to enamel matrix-derived protein mediated via interaction between BSP-like molecules and integrin αvβ3. Suzuki N, et al. 1520
Combination use of bovine porous bone mineral, enamel matrix proteins, and a bioabsorbable membrane in intrabony periodontal defects in humans. Lekovic V, et al. 583
A comparative study utilizing open flap debridement with and without enamel matrix derivative in the treatment of periodontal intrabony defects: A 12-month re-entry study. Froum SJ, et al. 25
The effect of enamel matrix protein derivative on follicle cells in vitro. Hakki SS, et al. 679
The effect of postsurgical antibiotics on the healing of intrabony defects following treatment with enamel matrix proteins. Sculean A, et al. 190
Enamel matrix derivative induces matrix synthesis by cultured human periodontal fibroblast cells. Haase HR, et al.
Treatment of intrabony defects with enamel matrix proteins or bioabsorbable membranes. A 4-year follow-up split-mouth study. Sculean A, et al. 1695
PROTEINS, EXTRACELLULAR MATRIX
Gingival, dermal, and periodontal ligament fibroblasts express different extracellular matrix receptors. Palaiologou AA, et al. 798
Protease-active extracellular protein preparations from *Porphyromonas gingivalis* W83 induce N-cadherin proteolysis, loss of cell adhesion, and apoptosis in human epithelial cells. Chen Z, et al. 641
PROTEINS, RECOMBINANT
Hyaluronan supports recombinant human bone morphogenetic protein-2 induced bone reconstruction of advanced alveolar ridge defects in dogs. A pilot study. Hunt DR, et al. 651
PYRIDINOLINE CROSS-LINKS
Effect of non-surgical periodontal therapy on C-telopeptide pyridinoline cross-links (ICTP) and interleukin-1 levels. Al-Shammari KF, et al. 1045

R

RADIOGRAPHIC IMAGE INTERPRETATION, COMPUTER-ASSISTED
Clinical application of a new compact computed tomography system for evaluating the outcome of regenerative therapy: A case report. Ito K, et al. 696
RADIOGRAPHY, DENTAL
Clinical application of a new compact computed tomography system for evaluating the outcome of regenerative therapy: A case report. Ito K, et al. 696
RADIOGRAPHY, DENTAL/instrumentation
Radiographic defect depth and width for prognosis and description of periodontal healing of infrabony defects. Klein F, et al. 1639
RADIOGRAPHY, DENTAL, DIGITAL
The effect of hyaluronan on bone and soft tissue and immune response in wound healing. Engström P-E, et al. 1192
RADIOGRAPHY, SUBTRACTION
Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. I. Class II furcations. Eickholz P, et al. 35
REACTIVE OXYGEN SPECIES
Elevated hydroperoxide levels and antioxidant patterns in Papillon-Lefèvre syndrome. Battino M, et al. 1760
Interleukin-1β and thiobarbituric acid reactive substance (TBARS) levels after phase I periodontal therapy in patients with chronic periodontitis. Tüter G, et al. 883
RECEPTORS, POLYMERIC IMMUNOGLOBULIN
The Fcγ receptor genotype as a severity factor for chronic periodontitis in Japanese patients. Kobayashi T, et al. 1324
RECEPTORS, PROTEASE ACTIVATED
Thrombin-stimulated growth, clustering, and collagen lattice contraction of human gingival fibroblasts is associated with its protease activity. Chang M-C, et al. 303
REGRESSION ANALYSIS
Is loss of attachment due to root planing and scaling in sites with minimal probing depths a statistical or real occurrence? Gunsolley JC, et al. 349
REPRODUCIBILITY OF RESULTS
Identification and consequences of distinct Löe-Silness gingival index examiner styles for the clinical assessment of gingivitis. McClanahan SF, et al. 383
Intra- and inter-examiner reproducibility in keratinized tissue width assessment with 3 methods for mucogingival junction determination. Guglielmoni P, et al. 134

Index

REVERSE TRANSCRIPTION
Expression of cytokines and inducible nitric oxide synthase un unflamed gingival tissue. Hirose M, et al. 590
RISK FACTORS
Dental unit waterline contamination and its possible implications during periodontal surgery. Putnins EE, et al. 393
The effect of alcohol consumption on periodontal disease. Tezal M, et al. 183
Evaluation of ultrasonic scaling unit waterline contamination after use of chlorine dioxide mouthrinse lavage. Wirthlin MR, et al. 401
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
Interactions of lymphotoxin α (TNF-β), angiotensin-converting enzyme (ACE), and endothelin-1 (ET-1) gene polymorphisms in adult periodontitis. Hollá LI, et al. 85
The natural history of periodontal disease in man. Risk factors for progression of attachment loss in individuals receiving no oral health care. Neely AL, et al. 1006
Periodontal infections contribute to elevated systemic C-reactive protein level. Noack B, et al. 1221
Persistent presence of *Bacteroides forsythus* as a risk factor for attachment loss in a population with low prevalence and severity of adult periodontitis. Tran SD, et al.
Potential associations between chronic respiratory disease and periodontal disease: Analysis of National Health and Nutrition Examination Survey III. Scannapieco FA, et al. 50
Prevalence and risk of gingival enlargement in patients treated with nifedipine. Miranda J, et al. 605
Root trunk concavities as a risk factor for regenerative procedures of Class II furcation lesions in dogs. Novaes AB Jr, et al. 612
An "S-shaped" relationship between smoking duration and alveolar bone loss: Generating a hypothesis. Schuller AA, et al. 1164
Smoking affects the subgingival microflora in periodontitis. van Winkelhoff AJ, et al. 666
RNA VIRUSES
Detection of hepatitis C virus RNA from gingival crevicular fluid and its relation to virus presence in saliva. Matičič M, et al. 11

S

SALIVA/virology
Detection of hepatitis C virus RNA from gingival crevicular fluid and its relation to virus presence in saliva. Matičič M, et al. 11
SCALING
Clinical evaluation and comparison of 2 topical anesthetics for pain caused by needle sticks and scaling and root planing. Carr MP, et al. 479
Intrapocket anesthesia for scaling and root planing: Results of a double-blind multi-center trial using lidocaine prilocaine dental gel. Jeffcoat MK, et al. 895
Is loss of attachment due to root planing and scaling in sites with minimal probing depths a statistical or real occurrence? Gunsolley JC, et al. 349
A longitudinal study comparing scaling, osseous surgery, and modified Widman procedures: Results after 5 years. Becker W, et al. 1675
Periodontal treatment with an Er:YAG laser compared to scaling and root planing. A controlled clinical study. Schwarz F, et al. 361
Treatment of periodontitis by local administration of minocycline microspheres: A controlled trial. Williams RC, et al. 1535
A 2-step non-surgical procedure and systemic antibiotics in the treatment of rapidly progressive periodontitis. Sigusch B, et al. 275
SEDATION, CONSCIOUS
Guidelines: In-office use of conscious sedation in periodontics. American Academy of Periodontology. 968
SELF MUTILATION
Metal piercing through the tongue and localized loss of attachment: A case report. Kretchmer MC, et al. 831
SINGLE-BLIND METHOD
Gliding capacity of different dental flosses. Dörfer CE, et al. 672
SKULLS/anatomy and histology
Prevalence of dehiscences and fenestrations in modern American skulls. Rupprecht RD, et al. 722
SMOKING/adverse effects
Cigarette smoking negatively affects healing response following flap debridement surgery. Scabbia A, et al. 43
Effects of smoking and treatment status on periodontal bacteria: Evidence that smoking influences control of periodontal bacteria at the mucosal surface of the gingival crevice. Eggert F-M, et al. 1210
Human gingival fibroblast cytoskeleton is a target for volatile smoke components. Rota MT, et al. 709
Immunohistochemical study of vestibular gingival blood vessel density and internal circumference in smokers and non-smokers. Mirbod SM, et al. 1318
An "S-shaped" relationship between smoking duration and alveolar bone loss: Generating a hypothesis. Schuller AA, et al. 1164

Smoking affects the subgingival microflora in periodontitis. van Winkelhoff AJ, et al. 666
Tobacco smoking and neutrophil activity in patients with periodontal disease. Persson L, et al. 90
SMOKING DURATION
An "S-shaped" relationship between smoking duration and alveolar bone loss: Generating a hypothesis. Schuller AA, et al. 1164
SODIUM FLUORIDE/therapeutic use
Effect of different mouthrinses on morning breath. van Steenberghe D, et al. 1183
SOFT TISSUE RESPONSE
A longitudinal clinical comparison of plaque-induced inflammation between gingival and peri-implant soft tissues in the maxilla. Toljanic JA, et al. 1139
SOYBEAN UNSAPONIFIABLES
Effect of avocado and soybean unsaponifiables on gelatinase A (MMP-2), stromelysin (MMP-3), and tissue inhibitors of matrix metalloproteinase (TIMP-1 and TIMP-2) secretion by human fibroblasts in culture. Kut-Lasserre C, et al. 1685
SPACE MAINTENANCE
Observations on a new collagen barrier membrane in 16 consecutively treated patients. Clinical and histological findings. Friedmann A, et al. 1616
SPIROCHETES, ORAL
Activation of matrix metalloproteinase-2 by a novel oral spirochetal species *Treponema lecithinolyticum*. Choi B-K, et al. 1594
SPLINTS, OCCLUSAL
Patient preference for light-cured composite bite splint compared to heat-cured acrylic bite splint. Leib AM. 1108
STAINING/methods
Immunohistochemical study of vestibular gingival blood vessel density and internal circumference in smokers and non-smokers. Mirbod SM, et al. 1318
SUCCINIC ACID
Short-chain carboxylic acids produced by Gram-negative anaerobic bacteria can accelerate or delay polymorphonuclear leukocyte apoptosis. Stehle HW, et al. 1059
SUCRALFATE/therapeutic use
Sucralfate: A help during oral management in patients with epidermolysis bullosa. Marini I, et al. 691
SULFUR COMPOUNDS
Relationship of sulcular sulfide level to severity of periodontal disease and BANA test. Morita M, et al. 74
SURGICAL FLAPS
Cigarette smoking negatively affects healing response following flap debridement surgery. Scabbia A, et al. 43
A comparative study utilizing open flap debridement with and without enamel matrix derivative in the treatment of periodontal intrabony defects: A 12-month re-entry study. Froum SJ, et al. 25
Comparison of 2 techniques of subepithelial connective tissue graft in the treatment of gingival recession. Cordioli G, et al. 1470
Effects of pretreatment clinical parameters on bioactive glass implantation in intrabony periodontal defects. Park J-S, et al. 730
Excision and repair of the peripheral ossifying fibroma: A report of 3 cases. Walters JD, et al. 939
Histological evaluation of healing and revascularization of the subepithelial connective tissue graft. Guiha R, et al. 470
Histology of connective tissue graft. A case report. Majzoub Z, et al. 1607
Management of soft tissue ridge deformities with acellular dermal matrix. Clinical approach and outcome after 6 months of treatment. Batista EL Jr, et al. 265
Microsurgical approach to periodontal regeneration. Initial evaluation in a case cohort. Cortellini P, et al. 559
Predictable multiple site root coverage using an acellular dermal matrix allograft. Henderson RD, et al. 571
Preprosthetic periodontal surgery in the interproximal area with modification of the COL area. Anatomic and histologic study in dogs. Novaes AB Jr, et al. 1734
Root coverage of a palatal recession defect: A case report. Harris RJ. 1103
The simplified papilla preservation flap in the regenerative treatment of deep intrabony defects: Clinical outcomes and postoperative morbidity. Cortellini P, et al. 1702
SURGICAL FLAPS/adverse effects
Alveolar bone resorption following coronal versus apical approach in a mucoperiosteal flap surgery procedure in the rat mandible. Binderman I, et al. 1348
SURGICAL PROCEDURES, MINIMALLY INVASIVE
The following 3 articles should have appeared under this heading in the 1999 (Volume 70) or 2000 (Volume 71) indexes. The electronic (online) indexes have been corrected.
Harrel SK. A minimally invasive surgical approach for periodontal regeneration: Surgical technique and observations. 1999;70:1547
Harrel SK, et al. Long-term results of a minimally invasive surgical approach for bone grafting. 1999;70:1558
Harrel SK, et al. Treatment of periodontal destruction associated with a cemental tear using minimally invasive surgery. 2000;71:1761

Index

SYSTEMIC DISEASES
Systemic neutrophil response resulting from dental plaque accumulation. Kowolik MJ, et al. 146

T

TACROLIMUS/adverse effects
Periodontal changes in liver cirrhosis and post-transplantation patients. I: Clinical findings. Oettinger-Barak O, et al. 1236
TETRACYCLINE/therapeutic use
A combination of a chemically modified doxycycline and a bisphosphonate synergistically inhibits endotoxin-induced periodontal breakdown in rats. Llavaneras A, et al. 1069
Local versus systemic adjunctive antibiotic therapy in 28 patients with generalized aggressive periodontitis. Purucker P, et al. 1241
Tetracycline modulates collagen membrane degradation in vitro. Moses O, et al. 1588
THIOBARBITURIC ACID REACTIVE SUBSTANCES
Interleukin-1β and thiobarbituric acid reactive substance (TBARS) levels after phase I periodontal therapy in patients with chronic periodontitis. Tüter G, et al. 883
THROMBIN
Thrombin-stimulated growth, clustering, and collagen lattice contraction of human gingival fibroblasts is associated with its protease activity. Chang M-C, et al. 303
TISSUE BANKING
Tissue banking of bone allografts used in periodontal regeneration (position paper). American Academy of Periodontology. 834
TISSUE PLASMINOGEN ACTIVATOR
The expression of plasminogen activator system in a rat model of periodontal wound healing. Xiao Y, et al. 849
TITANIUM
Bioabsorbable materials for guided bone regeneration prior to implant placement and 7-year follow-up: Report of 14 cases. Brunel G, et al. 257
The effect of an immunosuppressive therapy and its withdrawal on bone healing around titanium implants. A histometric study in rabbits. Duarte PM, et al. 1391
In vitro effect of transforming growth factor-β on adhesion molecule expression by human gingival fibroblasts cultured in the presence of a titanium abutment. Schierano G, et al. 1658
Influence of the size of the microgap on crestal bone changes around titanium implants. A histometric evaluation of unloaded non-submerged implants in the canine mandible. Hermann JS, et al. 1372
TONGUE/injuries
Metal piercing through the tongue and localized loss of attachment: A case report. Kretchmer MC, et al. 831
TOOTH/anatomy and histology
The dento-epithelial junction: Cell adhesion by type I hemidesmosomes in the absence of a true basal lamina. Hormia M, et al. 788
Gliding capacity of different dental flosses. Dörfer CE, et al. 672
TOOTH, DECIDUOUS
Successful periodontal maintenance of a case with Papillon-Lefèvre syndrome: 12-year follow- up and review of the literature. Wiebe CB, et al. 824
TOOTH EXTRACTION
Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125
A comparison of the success of root resected molars and molar position implants in function in a private practice: Results of up to 15-plus years. Fugazzotto PA. 1113
Successful periodontal maintenance of a case with Papillon-Lefèvre syndrome: 12-year follow- up and review of the literature. Wiebe CB, et al. 824
TOOTH EXTRACTION/adverse effects
Mandibular second molar periodontal status after third molar extraction. Peng K-Y, et al. 1647
TOOTH EXTRACTION/therapy
Immediate implantation in fresh extraction sockets. A controlled clinical and histological study in man. Paolantonio M, et al. 1560
TOOTH LOSS/etiology
Retrospective evaluation of the influence of the interleukin-1 genotype on radiographic bone levels in treated periodontal patients over 10 years. Cattabriga M, et al. 767
TOOTH MOBILITY
Tooth mobility revisited (commentary). Anderegg CR, et al. 963
TOOTH MOVEMENT
Influence of the size of the microgap on crestal bone changes around titanium implants. A histometric evaluation of unloaded non-submerged implants in the canine mandible. Hermann JS, et al. 1372
Orthodontic tooth movement enhances bone healing of surgical bony defects in rats. Vardimon AD, et al. 958
TOOTH MOVEMENT/adverse effects
Effects of cyclosporin A on dental alveolar bone: A histomorphometric study in rats. Shen E-C, et al. 659

TOOTH ROOT
Attachment of human periodontal ligament cells to enamel matrix-derived protein mediated via interaction between BSP-like molecules and integrin αvβ3. Suzuki N, et al. 1520
Collagen membranes: A review. Bunyaratavej P, et al. 215
Comparison of 2 techniques of subepithelial connective tissue graft in the treatment of gingival recession. Cordioli G, et al. 1470
Effect of diode laser irradiation on the attachment rate of periodontal ligament cells: An in vitro study. Kreisler M, et al. 1312
Coronally advanced flap procedure: Is the interdental papilla a prognostic factor for root coverage? Saletta S, et al. 760
Histology of connective tissue graft. A case report. Majzoub Z, et al. 1607
Predictable multiple site root coverage using an acellular dermal matrix allograft. Henderson RD, et al. 571
Root coverage and pocket reduction as combined surgical procedures. Hirsch A, et al. 1572
TOOTH ROOT/anatomy and histology
Root trunk concavities as a risk factor for regenerative procedures of Class II furcation lesions in dogs. Novaes AB Jr, et al. 612
TOOTH ROOT/surgery
Clinical evaluation of acellular allograft dermis for the treatment of human gingival recession. Aichelmann-Reidy ME, et al. 998
A comparison of the success of root resected molars and molar position implants in function in a private practice: Results of up to 15-plus years. Fugazzotto PA. 1113
Root coverage of a palatal recession defect: A case report. Harris RJ. 1103
TREPONEMA DENTICOLA
Treponema socranskii, Treponema denticola, and *Porphyromonas gingivalis* are associated with severity of periodontal tissue destruction. Takeuchi Y, et al. 1354
TREPONEMA LECITHINOLYTICUM
Activation of matrix metalloproteinase-2 by a novel oral spirochetal species *Treponema lecithinolyticum.* Choi B-K, et al. 1594
Effects of whole cell sonicates of *Treponema lecithinolyticum* on osteoclast differentiation. Choi B-K, et al. 1172
TREPONEMA SOCRANSKII
Treponema socranskii, Treponema denticola, and *Porphyromonas gingivalis* are associated with severity of periodontal tissue destruction. Takeuchi Y, et al. 1354
TUMOR NECROSIS FACTOR
Analysis of single nucleotide polymorphisms in the 5′-flanking region of tumor necrosis factor-alpha gene in Japanese patients with early-onset periodontitis. Endo M, et al. 1554
The effect of antimicrobial periodontal treatment on circulating tumor necrosis factor-alpha and glycated hemoglobin level in patients with type 2 diabetes. Iwamoto Y, et al. 774
Heterogeneity of host immunological risk factors in patients with aggressive periodontitis. Takahashi K, et al. 425
Polymorphonuclear neutrophils and their mediators in gingival tissues from generalized aggressive periodontitis. Liu RK, et al. 1545

U

URIC ACID
Elevated hydroperoxide levels and antioxidant patterns in Papillon-Lefèvre syndrome. Battino M, et al. 1760
UROKINASE
The expression of plasminogen activator system in a rat model of periodontal wound healing. Xiao Y, et al. 849

V

VITAMIN E
Elevated hydroperoxide levels and antioxidant patterns in Papillon-Lefèvre syndrome. Battino M, et al. 1760

W

WATER POLLUTION/prevention and control
Dental unit waterline contamination and its possible implications during periodontal surgery. Putnins EE, et al. 393
Evaluation of ultrasonic scaling unit waterline contamination after use of chlorine dioxide mouthrinse lavage. Wirthlin MR, et al. 401
WOUND HEALING
Characterization of proliferation and cellular wound fill in periodontal cells using an in vitro wound model. Oates TW, et al. 324
Clinical comparison of bioactive glass bone replacement graft material and expanded polytetrafluoroethylene barrier membrane in treating human mandibular molar Class II furcations. Yukna RA, et al. 125
Collagen membranes: A review. Bunyaratavej P, et al. 215
Dental unit waterline contamination and its possible implications during periodontal surgery. Putnins EE, et al. 393
The effect of hyaluronan on bone and soft tissue and immune response in wound healing. Engström P-E, et al. 1192

Index

Effect of repeated local minocycline administration on periodontal healing following guided tissue regeneration. Yoshinari N, et al. 284

The effect of postsurgical antibiotics on the healing of intrabony defects following treatment with enamel matrix proteins. Sculean A, et al. 190

Effects of furcation involvement on periodontal status and healing in adjacent proximal sites. Ehnevid H, et al. 871

The effects of platelet-derived growth factor-BB on periodontal cells in an in vitro wound model. Mumford JH, et al. 331

Enamel matrix derivative induces matrix synthesis by cultured human periodontal fibroblast cells. Haase HR, et al. 341

Epidermolysis bullosa acquisita: Clinical manifestations, microscopic findings, and surgical periodontal therapy. A case report. Hakki SS, et al. 550

Evaluation of ultrasonic scaling unit waterline contamination after use of chlorine dioxide mouthrinse lavage. Wirthlin MR, et al. 401

The expression of plasminogen activator system in a rat model of periodontal wound healing. Xiao Y, et al. 849

Histological evaluation of healing and revascularization of the subepithelial connective tissue graft. Guiha R, et al. 470

Keratinocyte growth factor expression in human gingival fibroblasts and stimulation of in vitro gene expression by retinoic acid. Mackenzie IC, et al. 445

Observations on a new collagen barrier membrane in 16 consecutively treated patients. Clinical and histological findings. Friedmann A, et al. 1616

Orthodontic tooth movement enhances bone healing of surgical bony defects in rats. Vardimon AD, et al. 958

Radiographic defect depth and width for prognosis and description of periodontal healing of intrabony defects. Klein F, et al. 1639

Surgical crown lengthening: A 12-month clinical wound healing study. Pontoriero R, et al. 841

A 2-step non-surgical procedure and systemic antibiotics in the treatment of rapidly progressive periodontitis. Sigusch B, et al. 275

Thrombin-stimulated growth, clustering, and collagen lattice contraction of human gingival fibroblasts is associated with its protease activity. Chang M-C, et al. 303

WOUND HEALING/radiation effects

Laser irradiation of bone: III. Long-term healing following treatment by CO_2 and Nd:YAG lasers. McDavid VG, et al. 174